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GROSSBRITTANIENS

MINERAL-CONCHOLOGIE

VON

JAMES SOWERBY.

Tafeln.

Lth 378 m/2

JAMES SOWERBY'S

MINERAL-CONCHOLOGIE

GROSSBRITTANIENS

oder ausgemalte

Abbildungen und Beschreibungen

der

SCHALTHIER-ÜBERRESTE,

welche

zu verschiedenen Zeiten und in verschiedenen Tiefen der Erde erhalten worden sind.

Deutsch bearbeitet

von

Ed. Desor.

Durchgesehen und mit Anmerkungen und Berichtigungen versehen

von

Dr. L. Agassiz.

Tafeln.

SOLOTHURN,

VERLAG VON JENT UND GASSMANN

1842 – 1844.

BIBLIOTHECA
REGIA
MONACENSIS.

1

Highgate
London Clay

Richmond

Sheppy

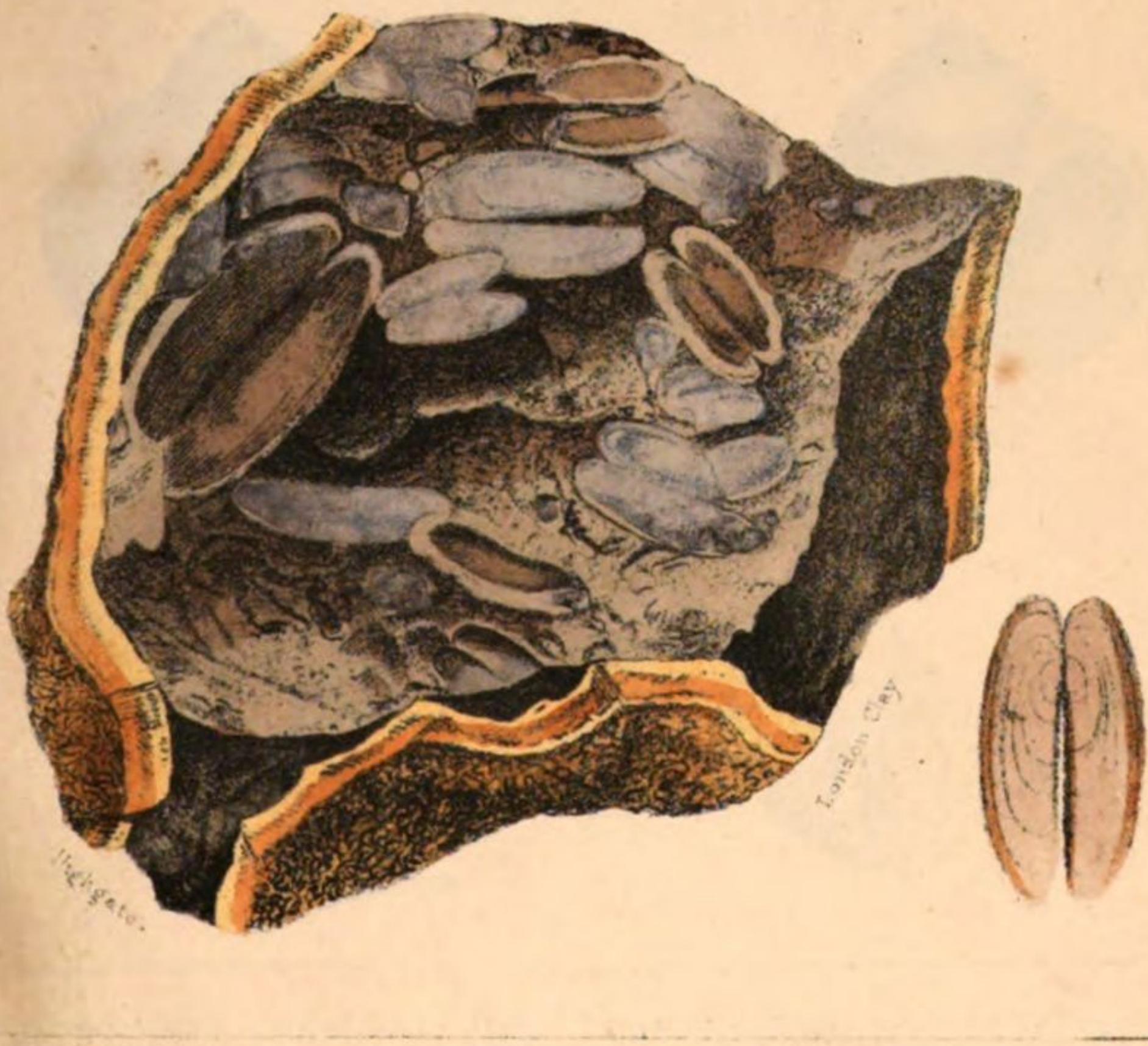
London Clay

3

London Clay
Highgate

2

3



4.

2.

1.

3.

London Clay
Highgate

4.

5.

London Clay

1.

3.

2

6.

Highgate

5.

8

Craig
Suffolk

7.

T. 1234 Cyprœa oviformis Sow. Tab. 5. 1.2.3. Natica glaucinoides Sow. 4.5. Natica similis Sow.
Natica depressa Sow.

6

Highgate

London Clay

Imp. de Nicolet, Neuchatel.

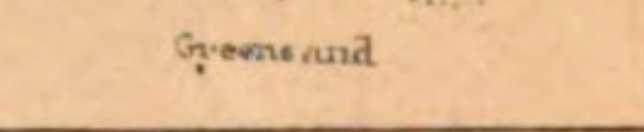
Nicolet, lith.

1 Cassis carinata Sow. 2. Cassis striata Sow.

Lith. de Nicolet à Neuchatel

Pinna ampla Sow.(Mytilus amplus Sow.)

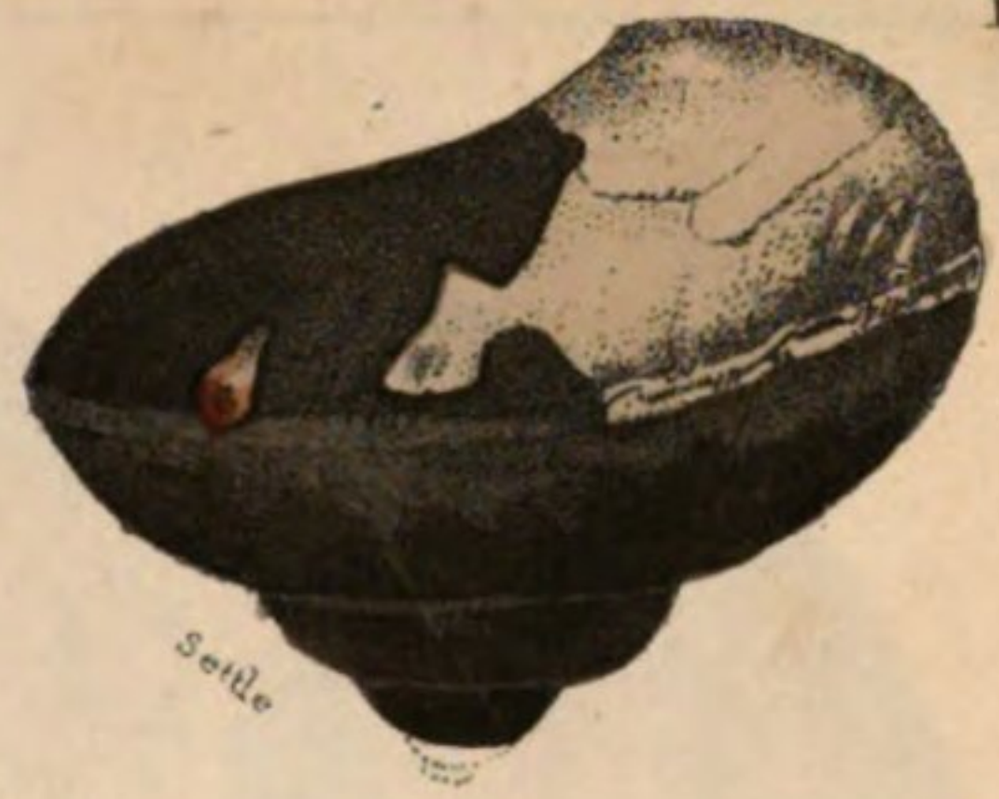
8.



9.

Tab 8. f. 1 2 3 Modiola depressa Sow. – 4. 5. 6 Modiola pallida Sow. – 7. Modiola laevis Sow.
Tab. 9. f. 1 Mod. parallella Sow. – 2. 3. 4 5 Mod. elegans Sow.

10.



Lias

Leicestershire

11.

3
Highgate Clay

4

Portland

4
Barton Cliff

5

Limestone

Highgate Clay
1

Highgate Clay
2

Tab. 10. Fig 1. 2. 3. Helicina Compressa Sow. *(Ptycomphalus Ag.)* – 4. 5. Helix carinatus Sow. *(Cirrus Sowerbyi Ag.)* – Tab 11. Fig. 1. 2. 3. Solarium patulum Lam. A. d. M. – 4. Sol. discoideum Sow. 5. Sol. conoideum Sow.

12.

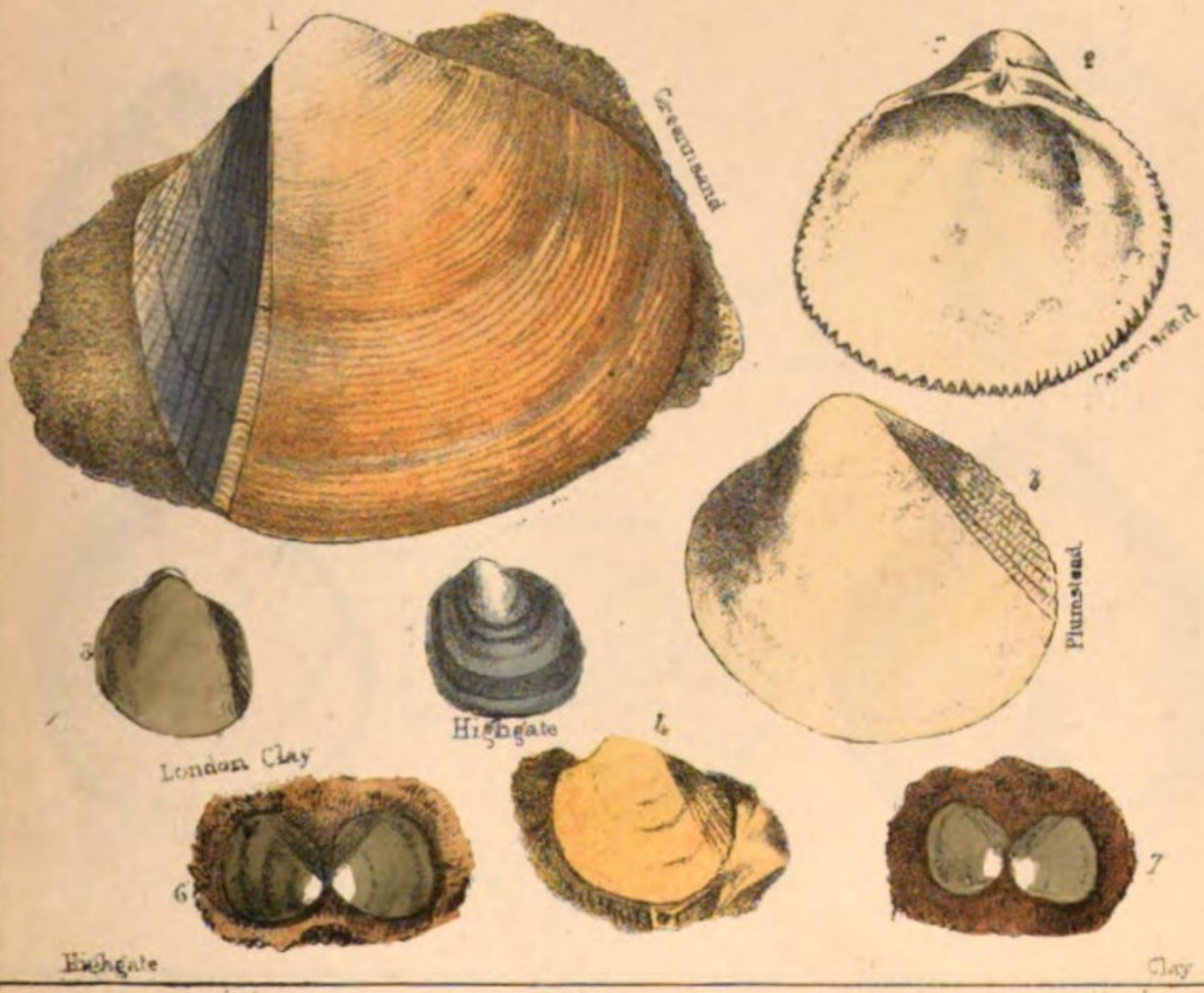
Cornbrash
Bedford

Lith de Nicolet à Neuchatel

Amonites Discus Sow.

13

14



Lith de Nicoler à Neuchatel

Tab. 13. Nautilus Discus – Tab. 14. fig. 1. Cardium Hillanum Sow – fig. 2 3 4. Card. plumstediense Sow. fig. 5 6 7 8. Card. riteris Sow.

15

1

Chalk

Bermuda

2

Warwick

Limestone

2

3

4

Greetrs and

Chalk

Chalk

Tropics

5

Chalk

Warminster

6

Combrash

7

Chalk Warminster

Lith Nicolet Neuchatel

Fig 1 2 Terebratula subrotunda Sow. – fig. 3 Tereb. ovata Sow. – fig. 4. Tereb. punctata Sow.
fig 5 6 Tereb. carnea Sow. – fig 7. Tereb subundata Sow – fig 8 Tereb. intermedia. – fig. 9 Tereb. semiglobata.

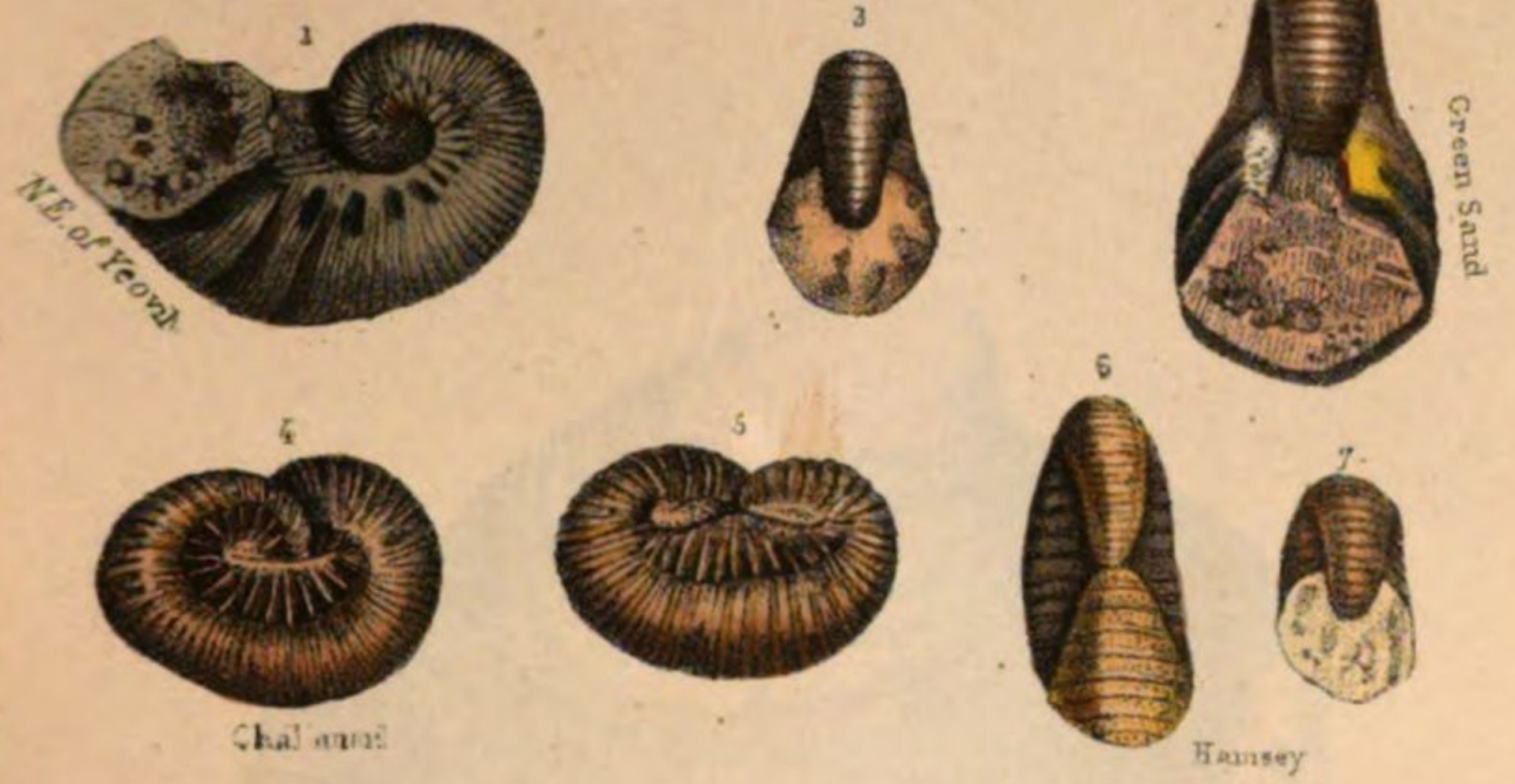
16

17

Lith de Nicolet Neuchatel

Tab. 16. fig. 1. 2. Scalaria similis Sow. – fig. 3. Scal. semicostata Sow. – fig. 4. 5. Scal. acuta Sow.
Tab. 17. fig. 1. Amonites acutus Sow. – fig. 2. 4. Am. cordatus Sow. – fig. 3. Am. quadratus Sow.

18



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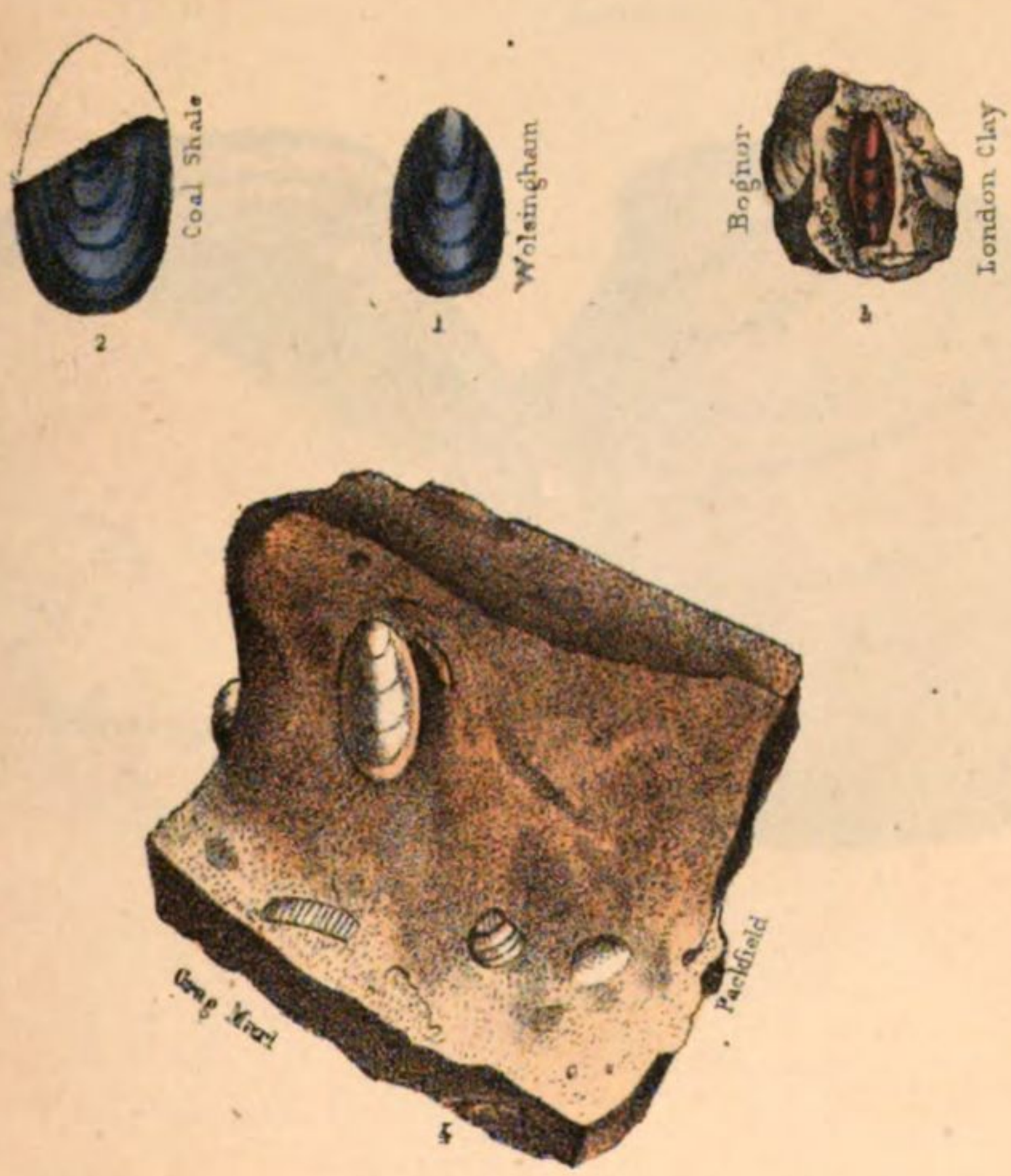
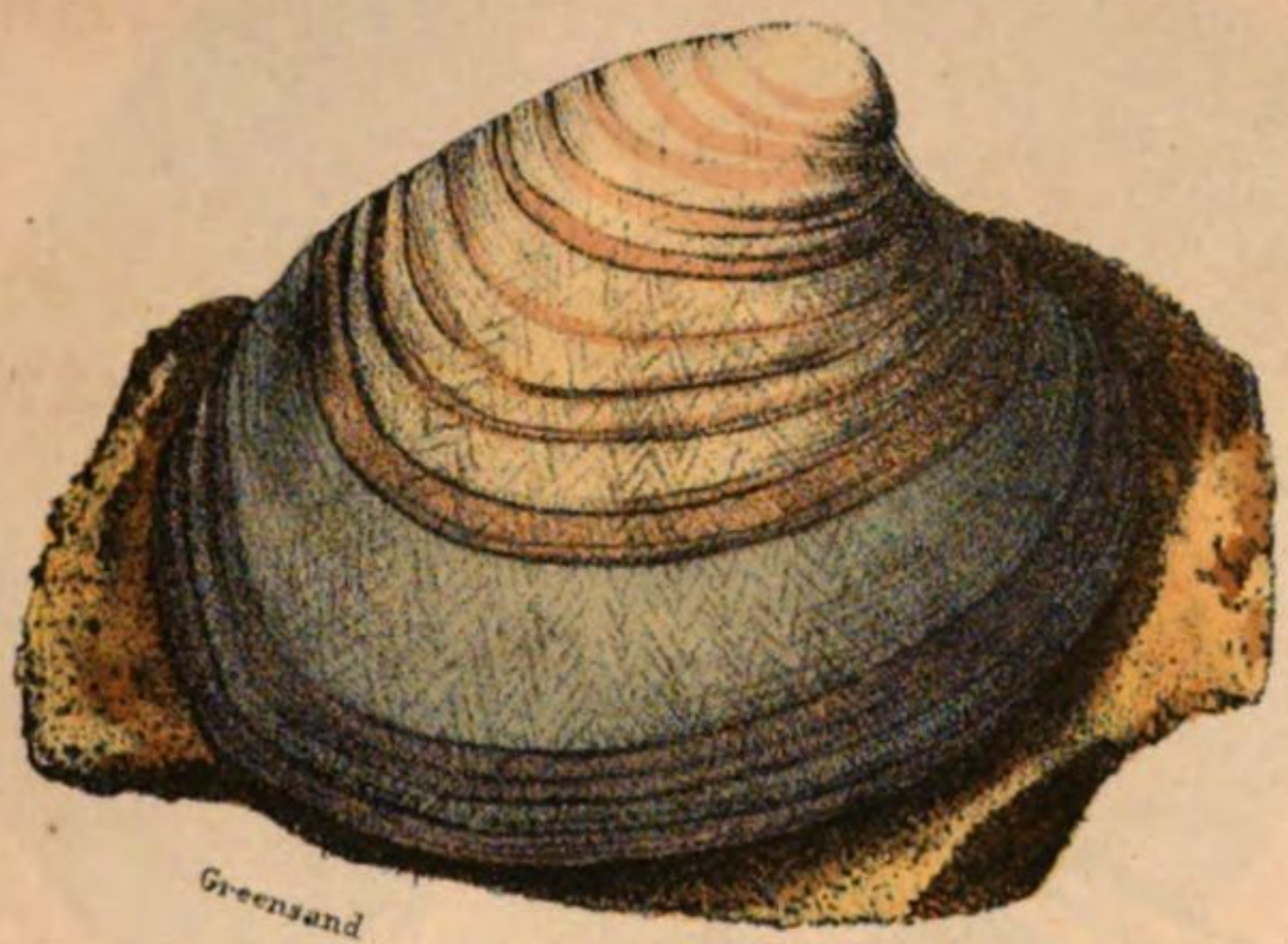


Lith. Nicolet Neuchatel.

Tab 18. fig. 1 2 3. Scaphites **equalis** Sow. – fig 4 5 6 7. Scap. obliquus Sow. – Tab 19. fig. 1 2. Lingula mytiloides Sow. fig. 3. Ling. tenuis Sow – fig. 4. Ling. ovalis Sow

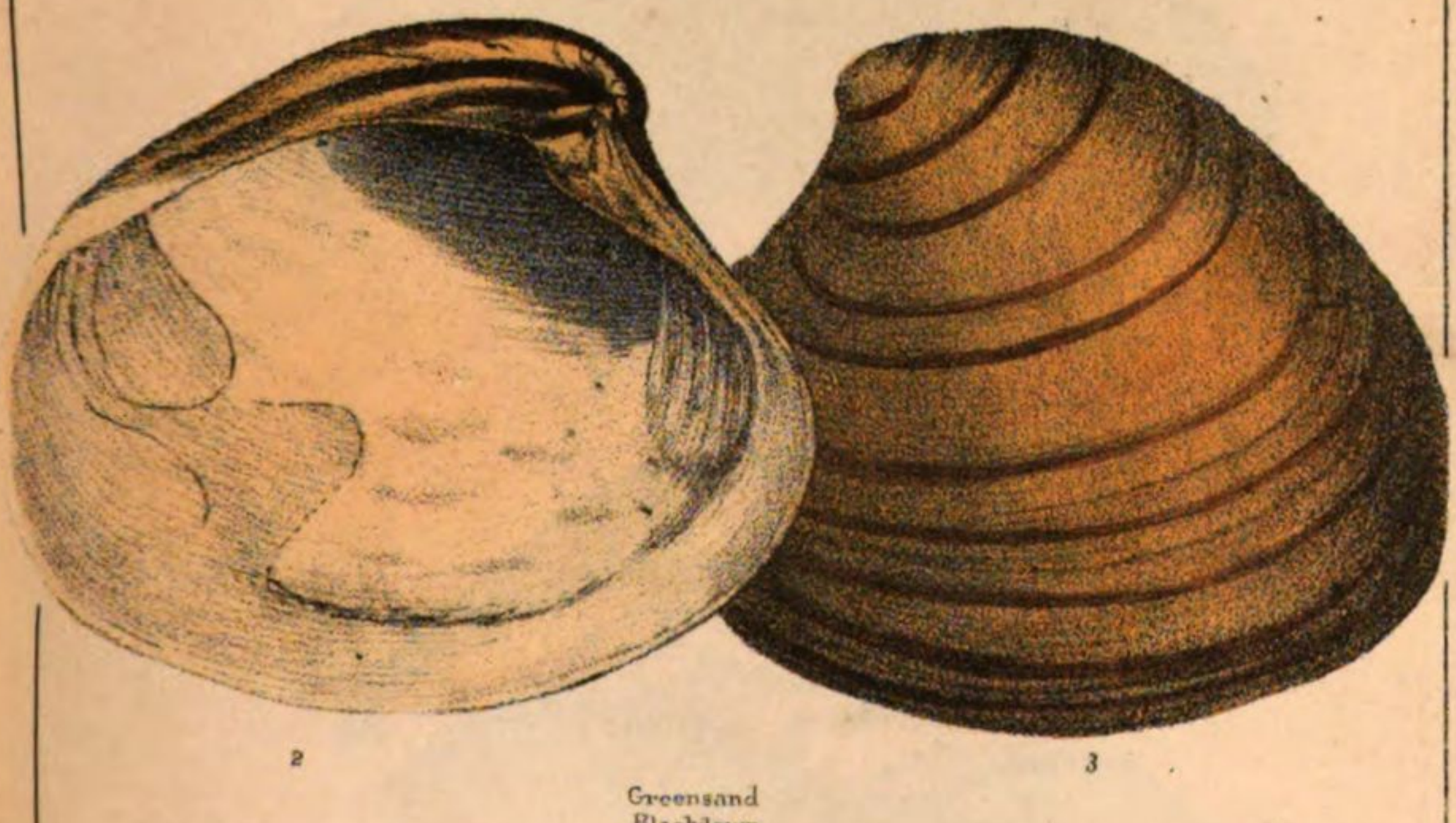
20

1



Greensand

Blackdown



2

3

Greensand
Blackdown

Luth. de Nicolet a Neuchatel

Sonrel in lap.

1. Venus lincolata Sow. 2.3. Venus plana Sow.

Lith Nicolet Neuchatel

Vemis Equalis Sow

22

1

Holywell

Crag

2

3

Lith. de Nicolet à Neuchatel

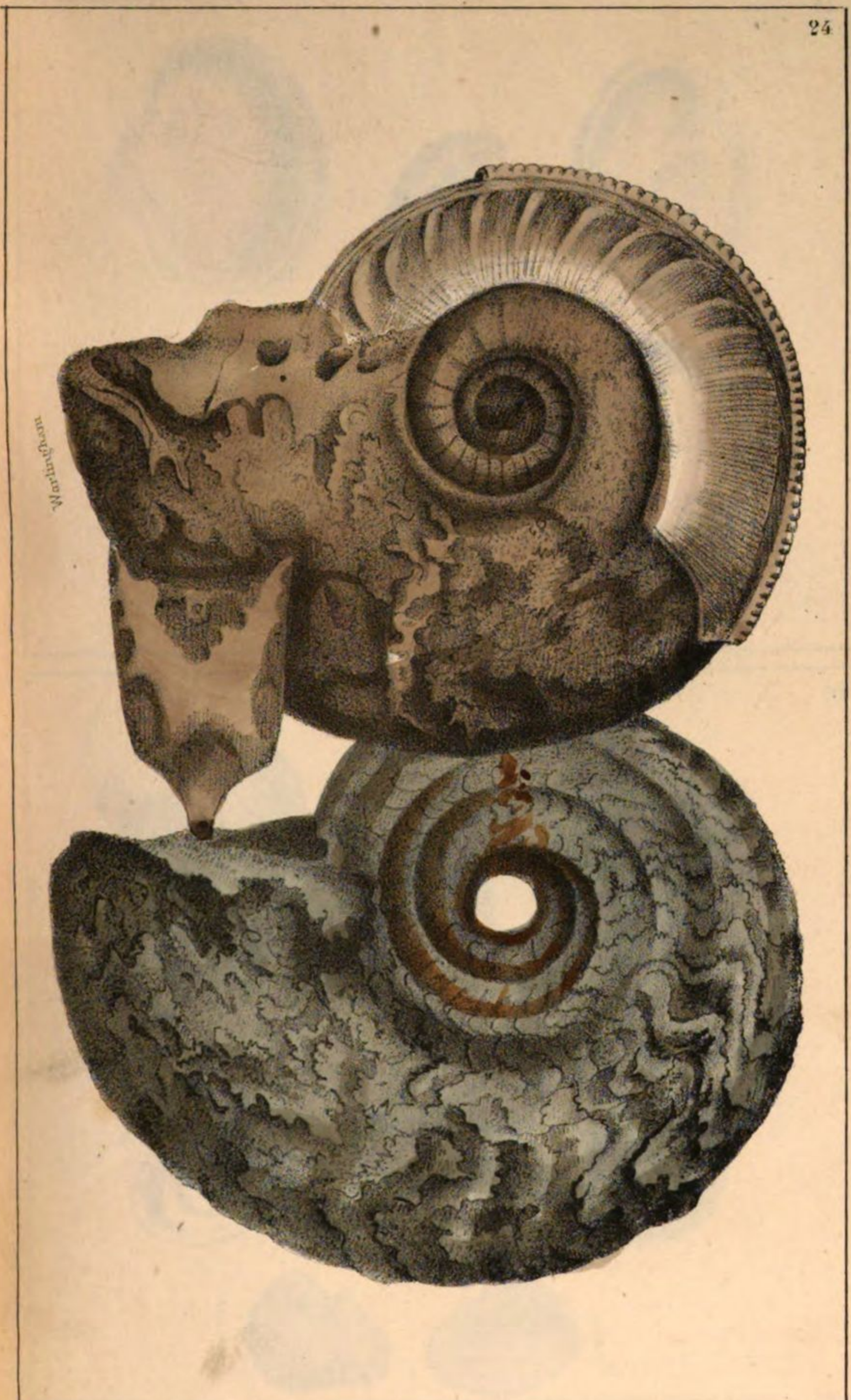
Sowerby in lap.

Murex striatus Sow.

23

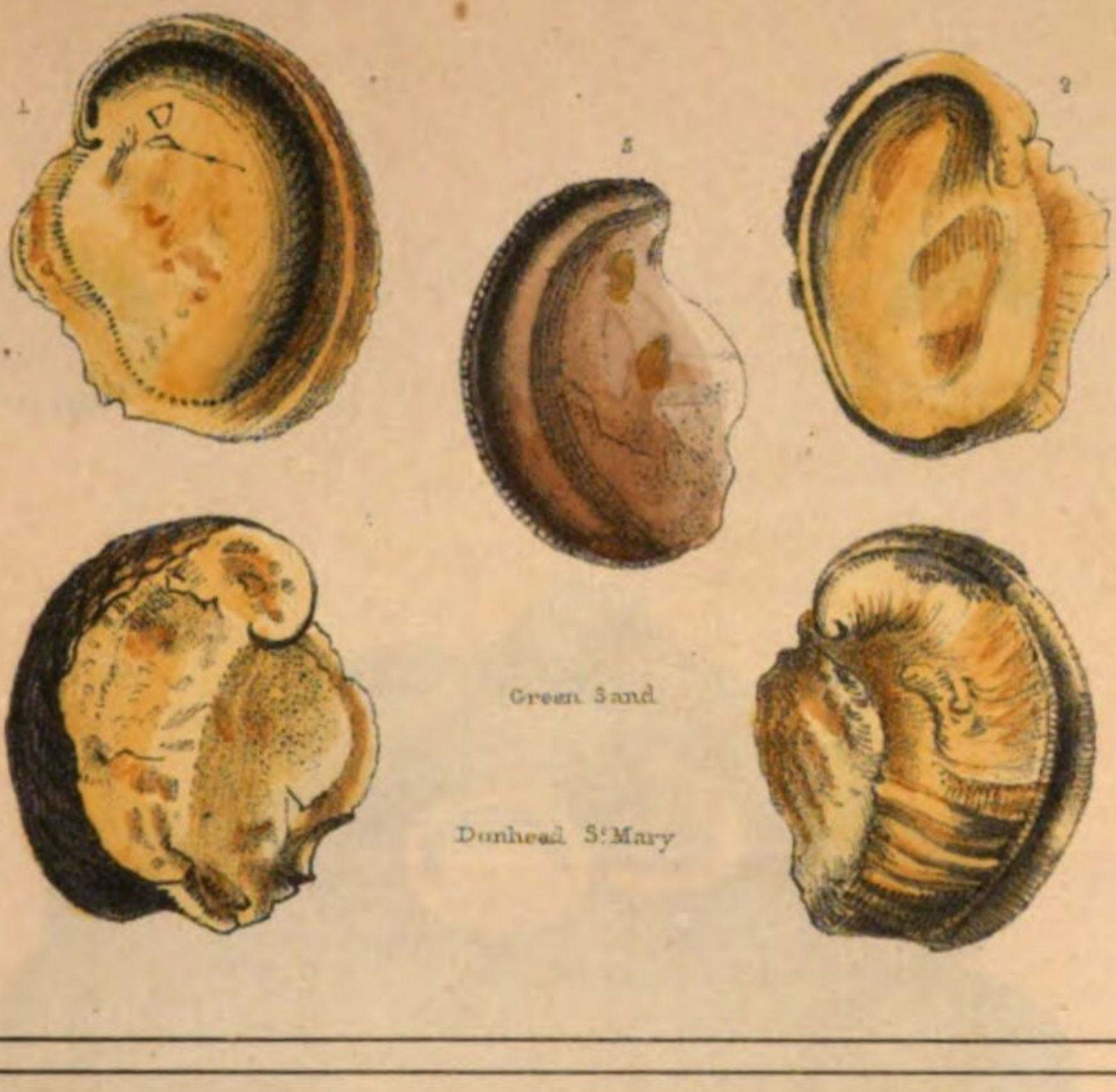
Lith. de Nicolet.

Murex contrarius Ginel.



Ta. 24. Ammonites serratus Sow.

25



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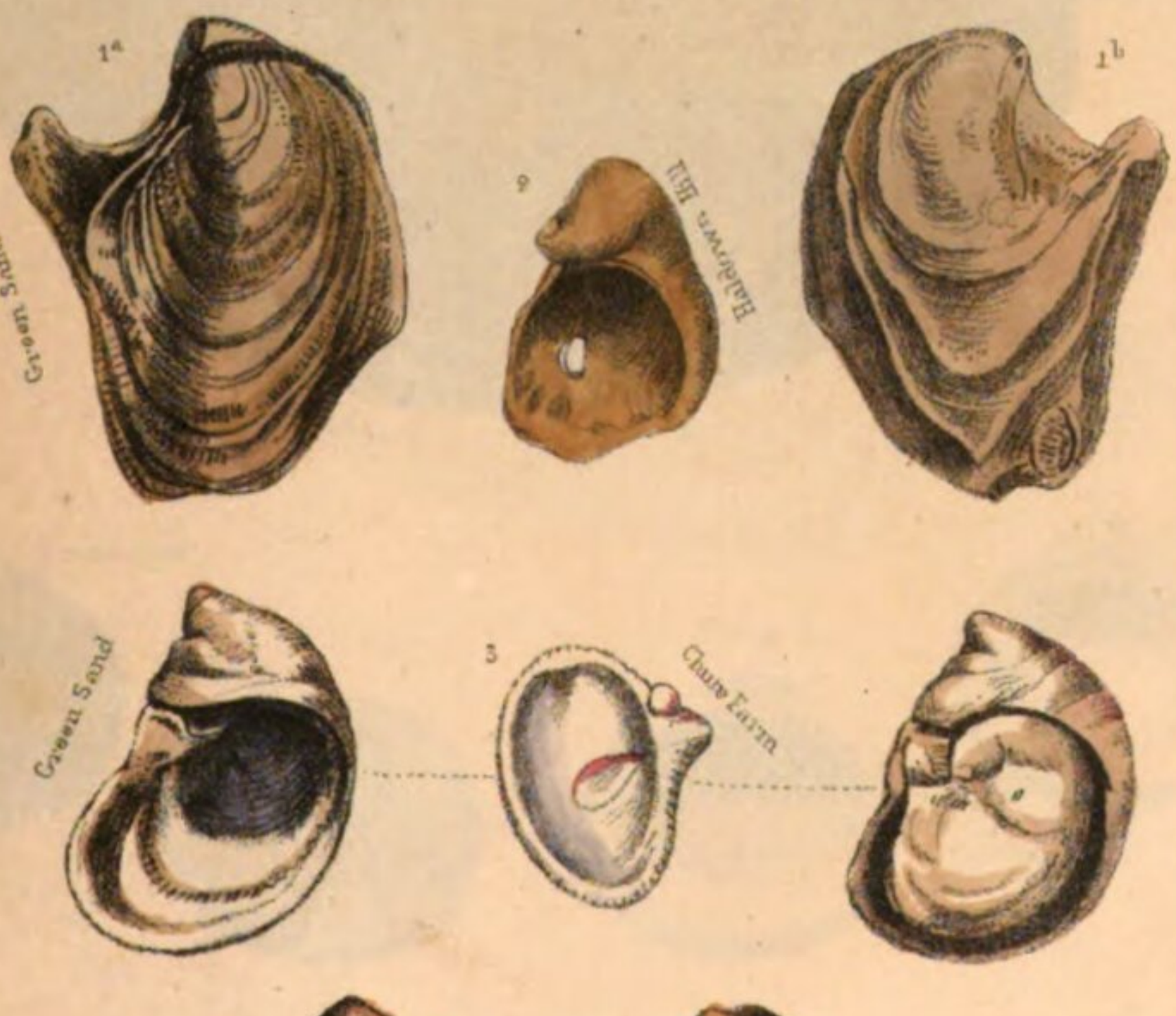


Tab. 25. Fig. 1.2.3.4.5. Exogyra haliotoidea Sow. – Tab. 26. Fig. 1. Gryphæa canaliculata Sow. Fig. 2.3.4. Exogyra conica Sow.

27

Highgate London Clay

2 London Clay

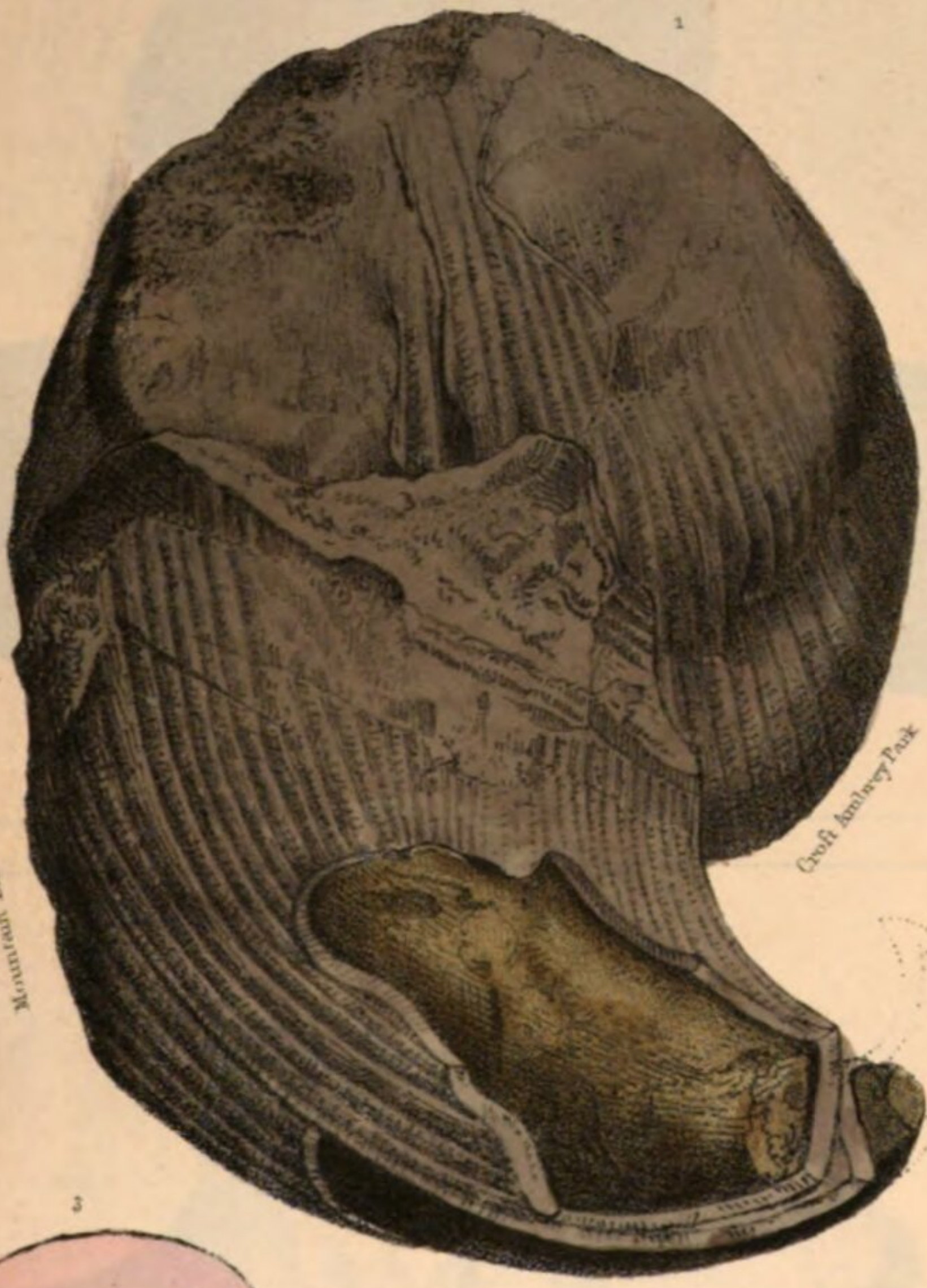
Green Sand

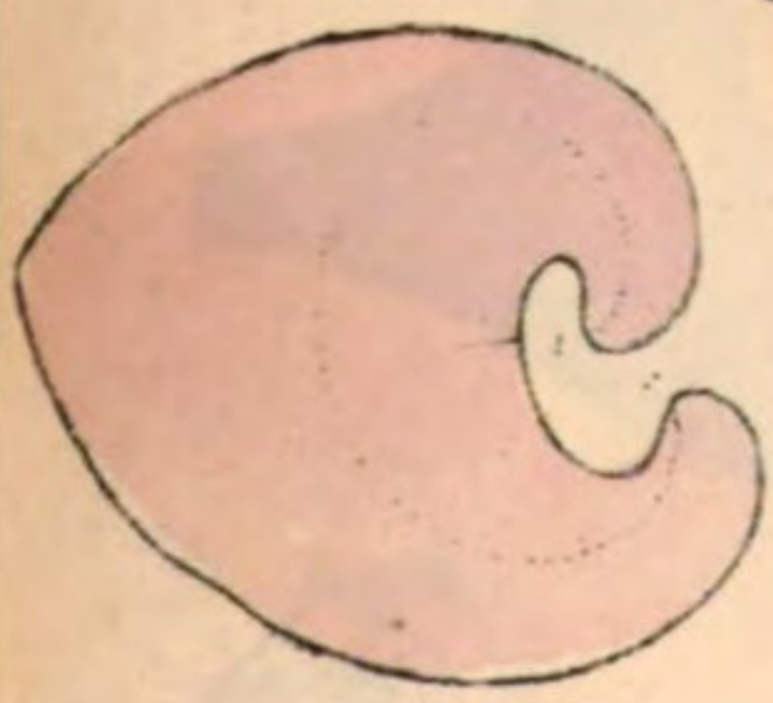
Plumstead

Hordwell Cliff

Tab.27. Fig. 1. Pectunculus decussatus Sow. - Fig 2. Pectunculus costatus Sow.
Fig. 3. Pectunculus plumstediensis. Sow

28



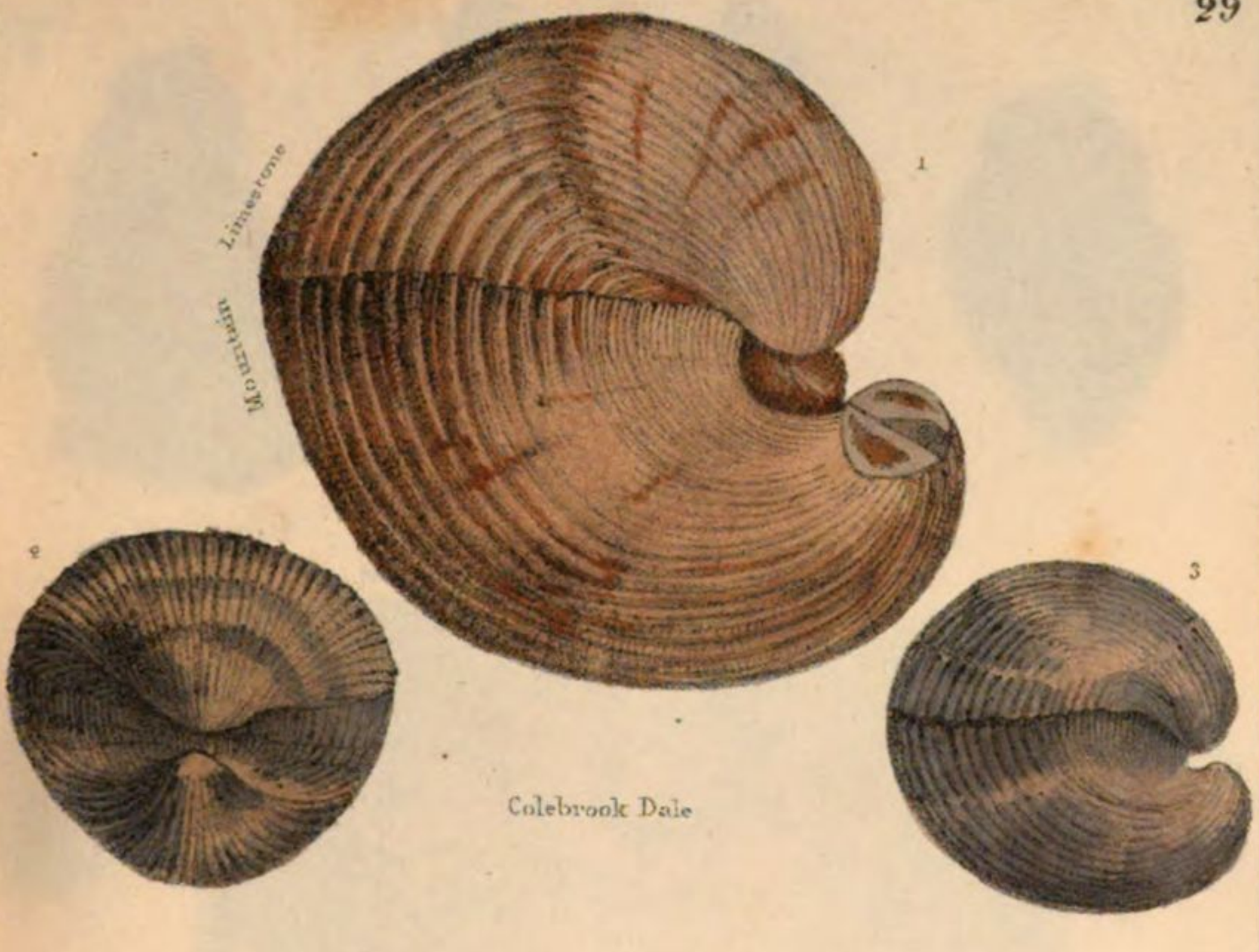


2

Bildwas

Tab. 28. Fig. 1. Pentameirus Knightii Sowr. – Fig. 2. Pent. laevis Sow.

29



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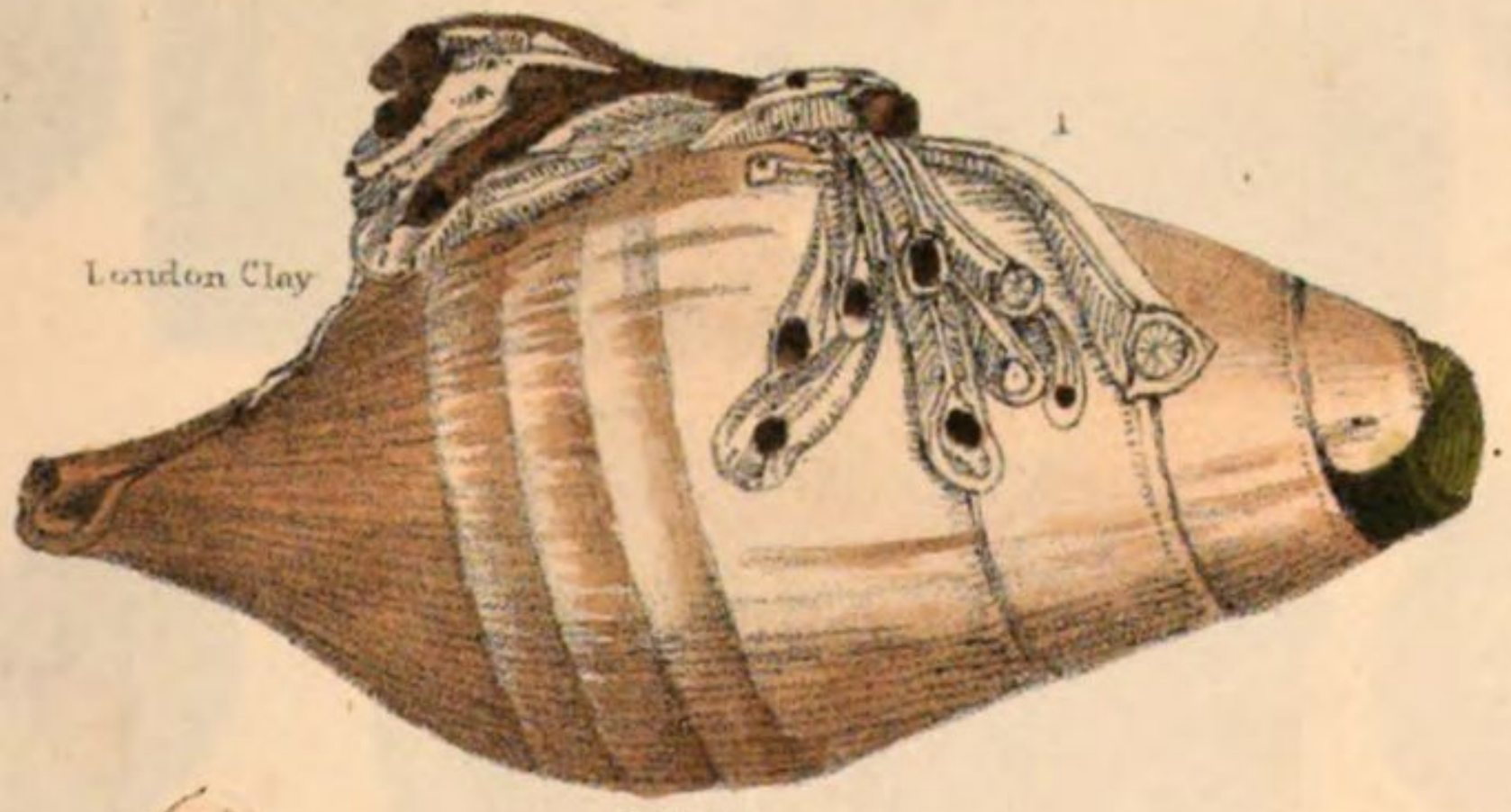


Tab. 29. Fig. 1.2.3. Pentamerus Aylesfordii Sow. – Tab. 30. Fig. 1.2.3. Serpula crassa Sow.

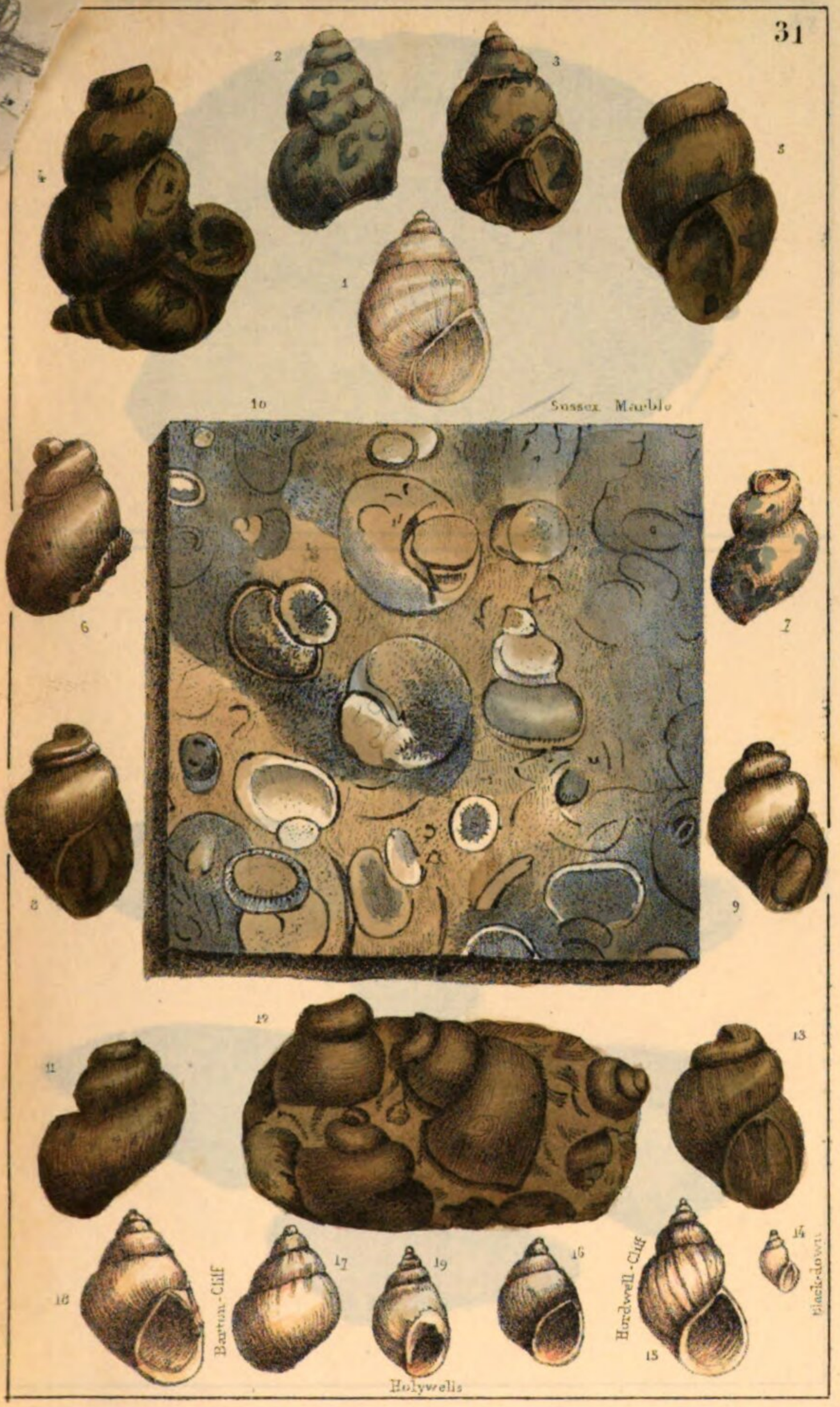


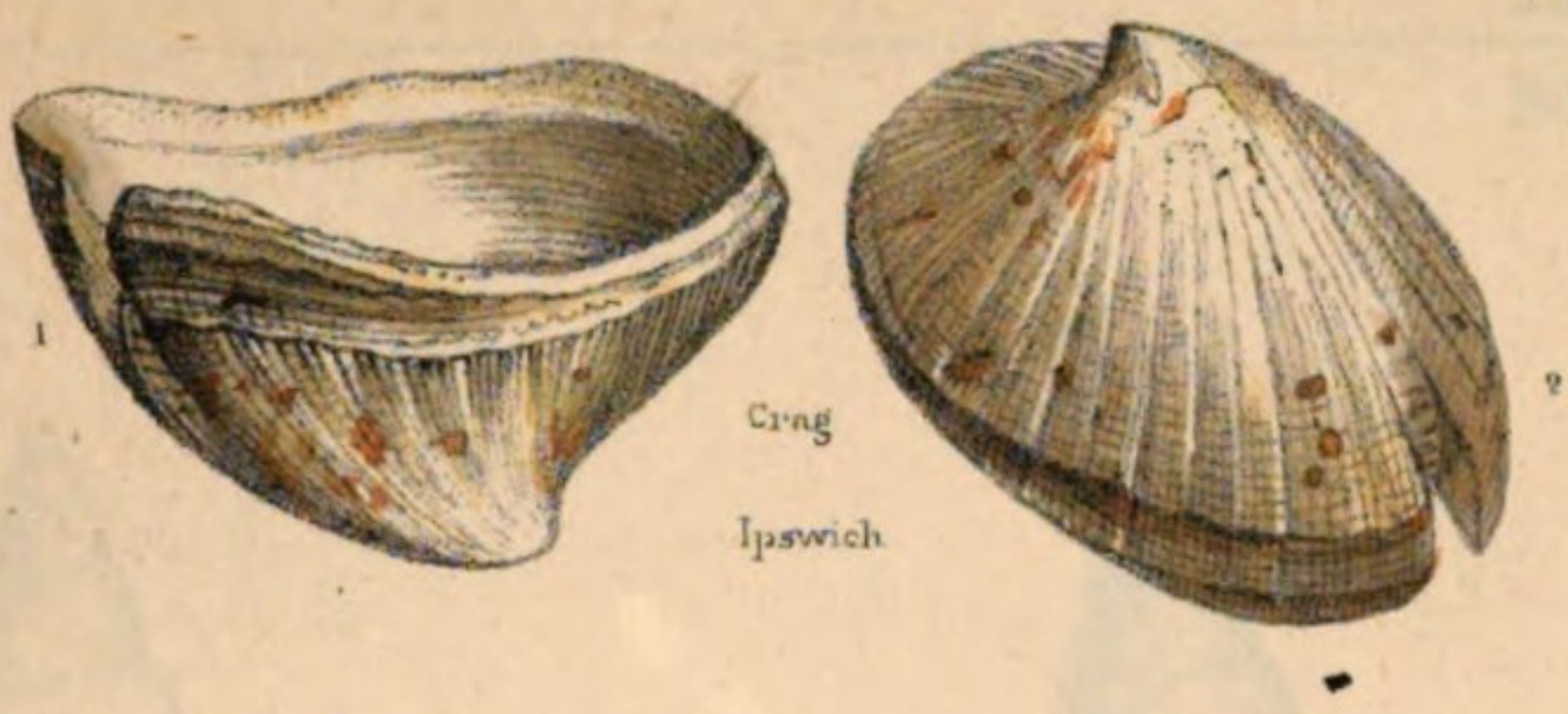
Fig. 1-13. Vivipara fluviorum Sow. – Fig. 14. V. extensa Sow. – Fig. 15. V. lenta Sow. – Fig. 16. 17. 18. Vivipara concinna Sow. – Fig. 19. V. suboperta Sow.

32

33

Tab 32. Ellipsolithes (Nautilus) funatus Sow. – Tab 33 Fig. 1.2.3. Unio subconstrictus Sow. – Fig. 4. Unio uniformis Sow. – Fig. 5.6.7. Unio acutus. Sow.

33bis



1

Crag

Ipswich

2

3

Holywell

4

34

1

Crag

Suffolk

and Essex

2

3

3

Barton-Cliff

4

Tab. 33bis Fig. 1.2. Emarginula crassa Sow. – Fig. 3. 4. Em. reticulata Sow. – Tab. 34. Fig. 1 2. Murex rugosus Sow. Fig. 3. 4. 5. Murex bartonensis Sow.

35.

1.

2.

4.

6.

5

Middle.
3.

Fig. 1. 3. Murex corneus Sow.- Fig. 4. 5. Murex trilineatus Sow.- Fig. 6. Murex latus Sow.

26.

36.

Chalk-
Marl
Hamsey.

Hormingsham.

Greensand.

37.

Mountain Limestone near Cork.

Tab.36.Fig.1.2.3. Turrilites Costatus Sow.-Tab.37. Ellipsolites (Nautilus) Ovatus Sow.

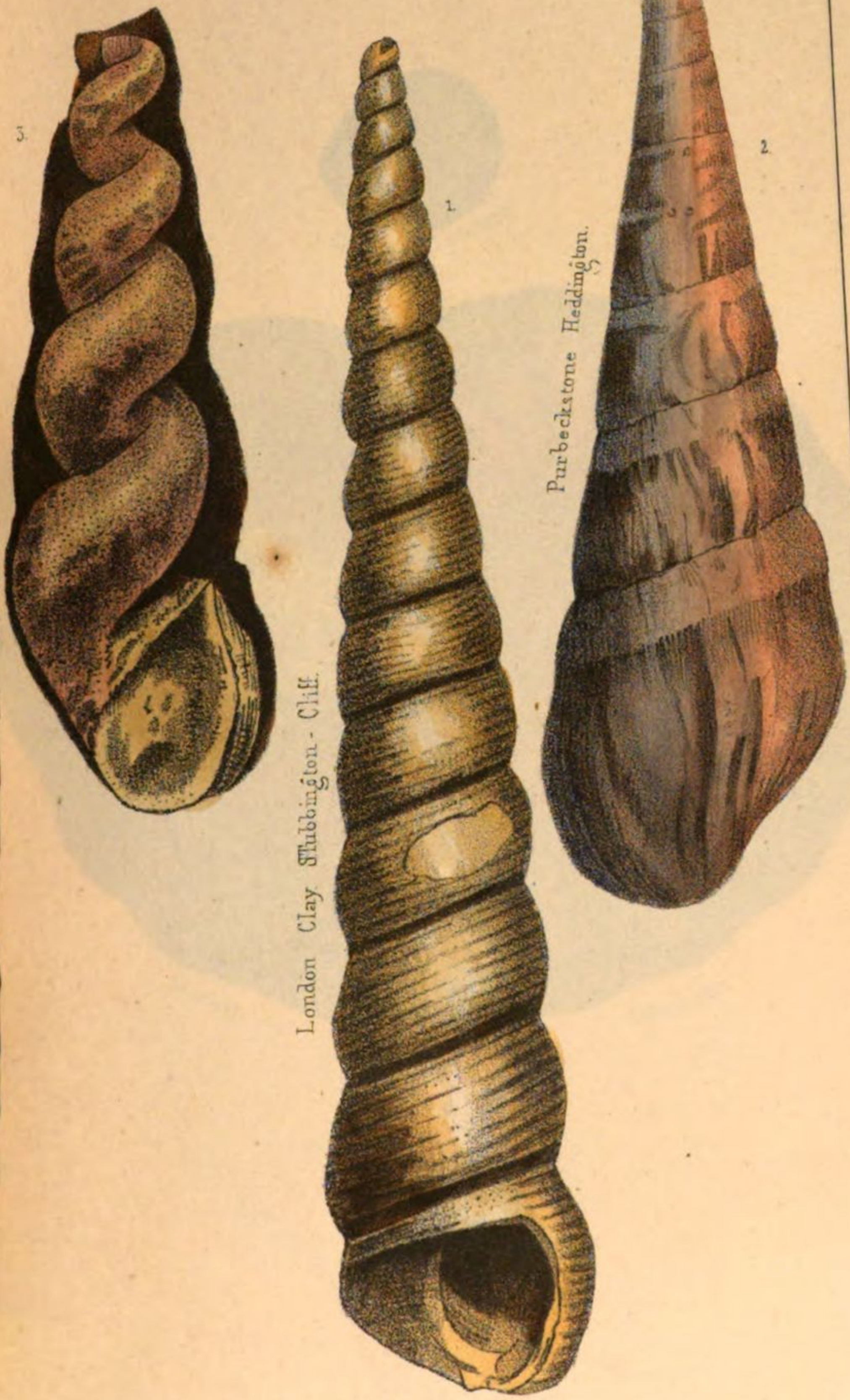
38.

Mountain Limestone.
Near Cork.

Lith. de Nicolet à Neuchâtel

Tab. 38. Fig. 1.2. Ellipsolites compressus Sow.

39.



Lith de Nicolet à Neuchâtel

Tab. 39. Fig. 1. Malania Sulcata Sow. - Fig. 2. 3. M. Heddingtonensis Sow.

40.

2.

Chalkmarl Folkstone

1

Nietfield.

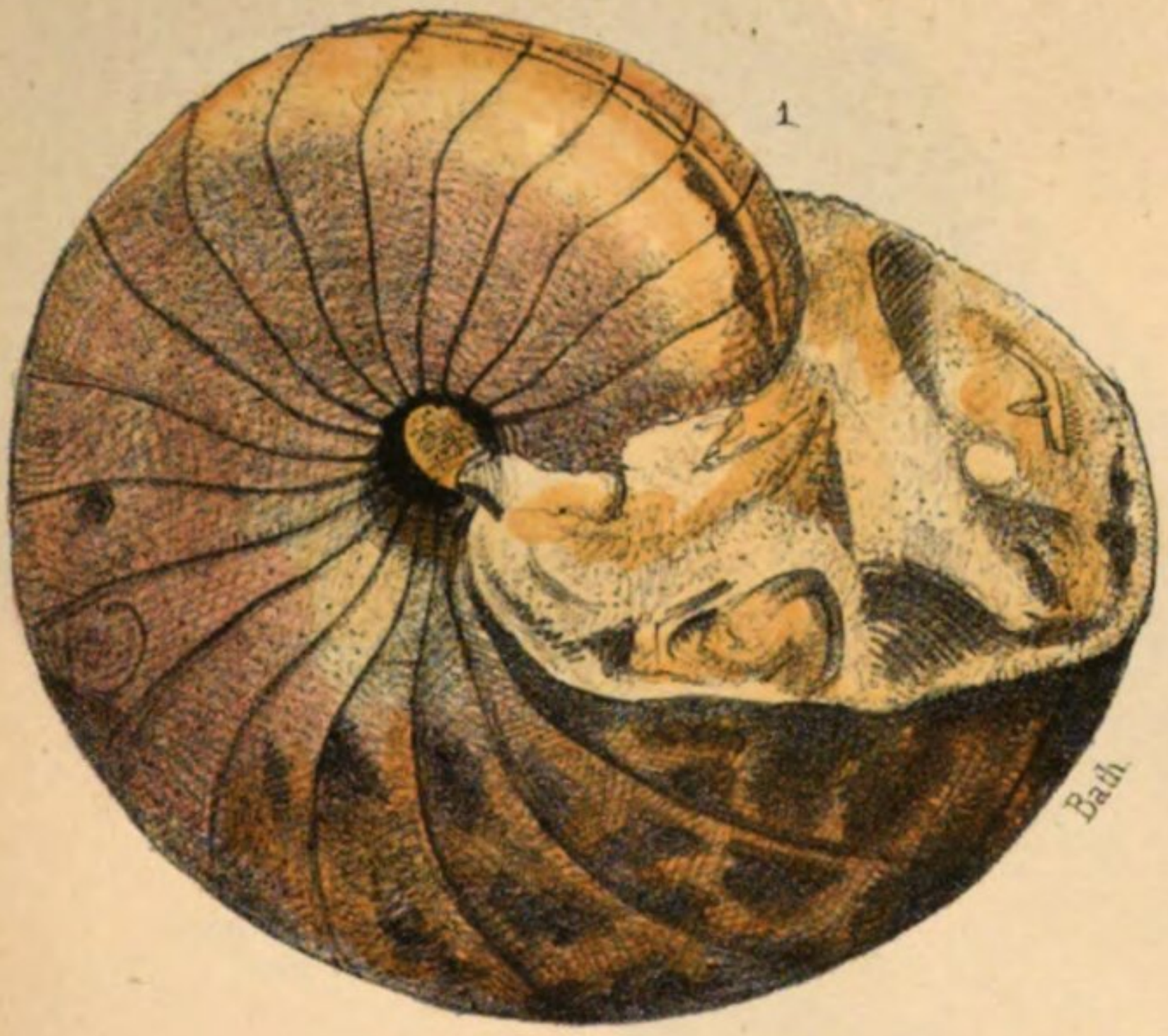
Greensand

3.

Chalkmarl Folkstone.

Fig. 1. Nautilus undulatus Sow. – Fig. 2. 3. Naut. inæqualis Sow.

41.



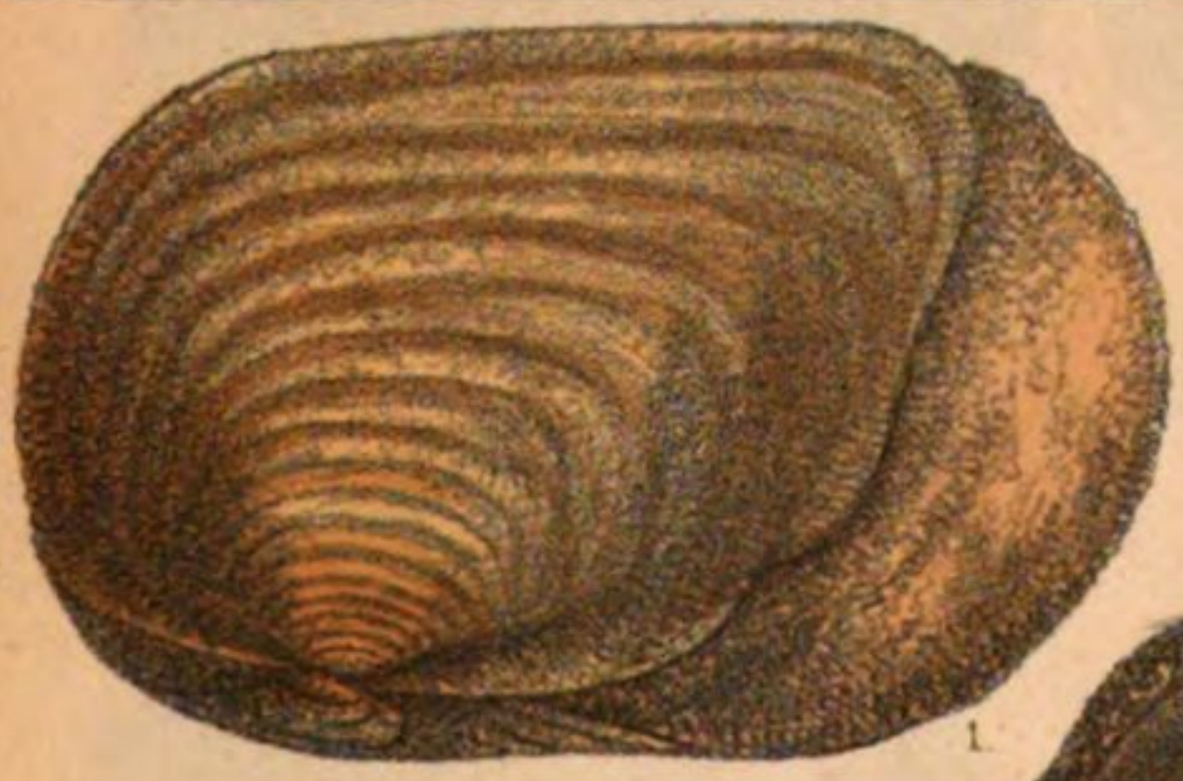
Inferior Oolite.

Nautilus Lineatus Sow.

42.

Great Oolite.
Bath

43.



1.

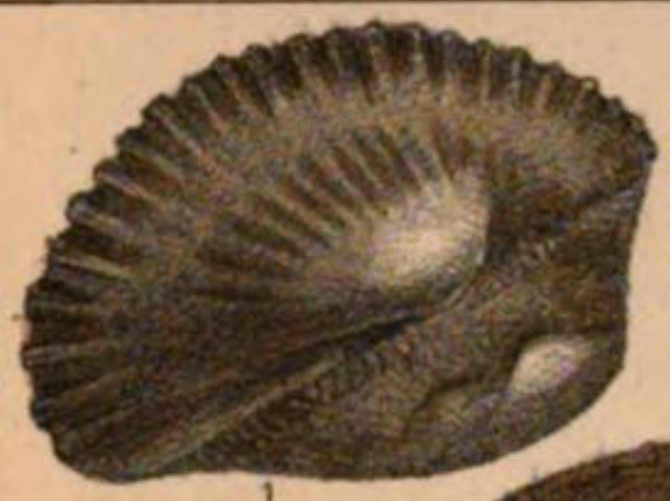
Greensand
Devizes-Canal

2

Lith. de Nicolet à Neuchâtel

Tab. 42. Mactra gibbosa Sow. - Tab. 43 Fig. 1. 2. Mya mandibula Sow.

44



Sussex
Chalkmarl

1.

2.

Greensand Devizes-Canal.

3

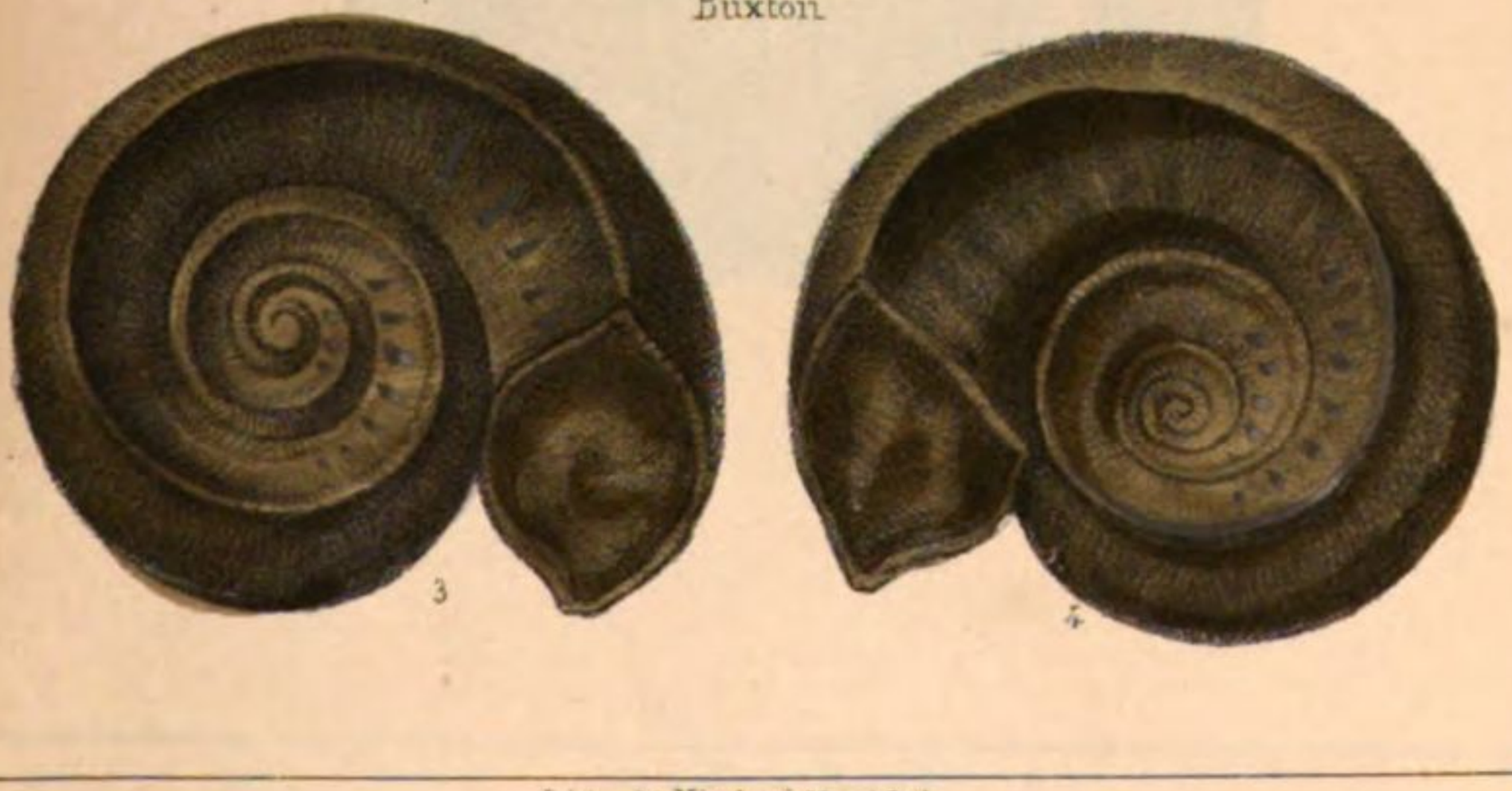
Mountain Limestone.
Dublin.

45.

1.

2

Mountain Limestone.
Buxton



3

4

Lith. de Nicolet à Neuchâtel

Tab. 44. Fig. 1. Arca subacuta Sow. – Fig. 2. 3. A. carinata Sow. – Tab. 43. Fig. 1. 2. Euomphalus pentangulatus Sow. – Fig. 3. 4. E. catillus Sow.

46.

1.

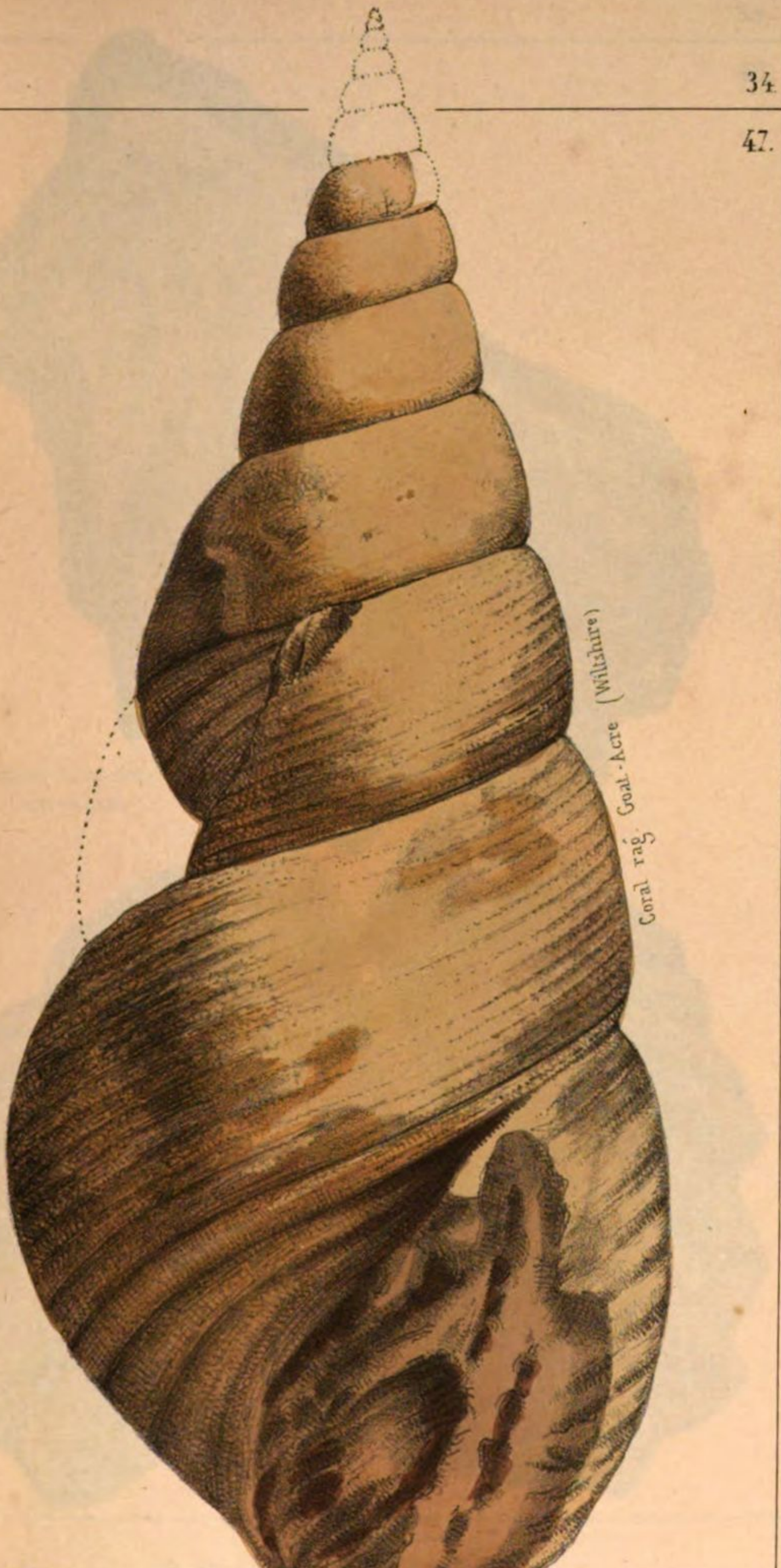
Mountain Limestone.
Derbyshire.

2.

Lith. de Nicolet à Neuchâtel

Tab. 46 Fig. 1. 2. Euomphalus nodosus Sow.

47.



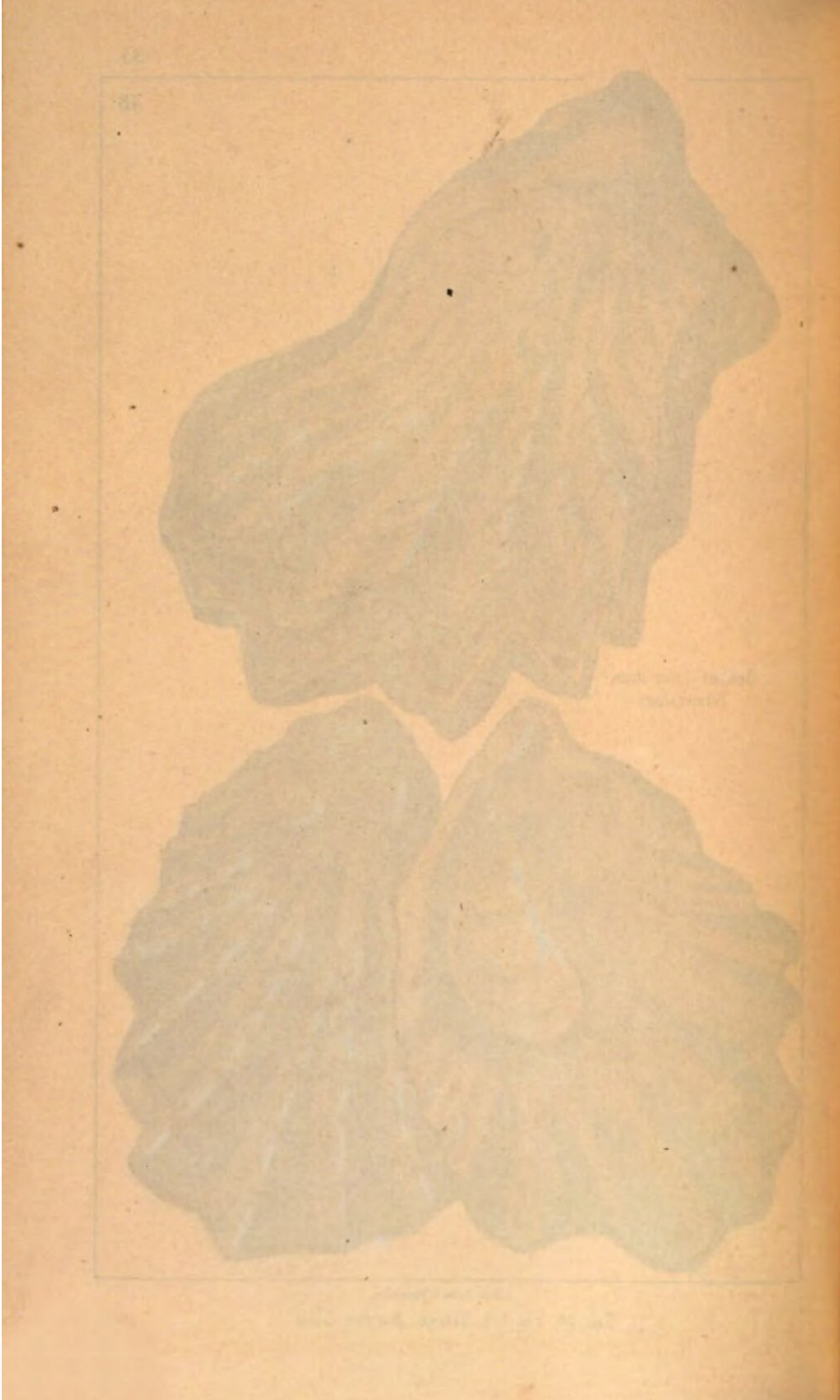
Coral rag. Goal-Acre (Wiltshire)

Melania striata Sow

48.

Lith. de Nicolet à Neuchâtel

Tab. 48. Fig. 1. 2. Ostrea Marshii Sow.



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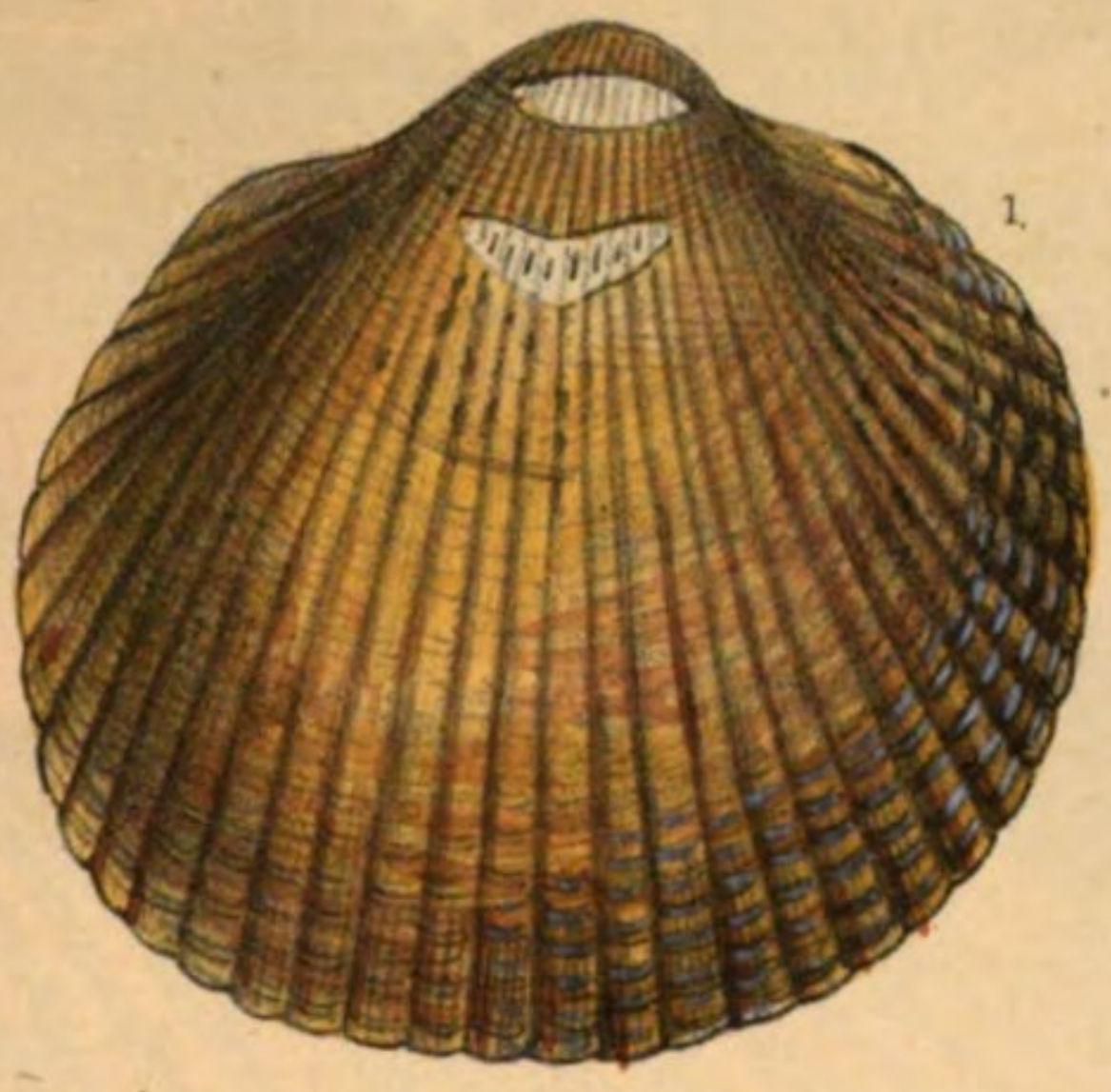


1.

Harwich (Norfolk)
Cr. marl.

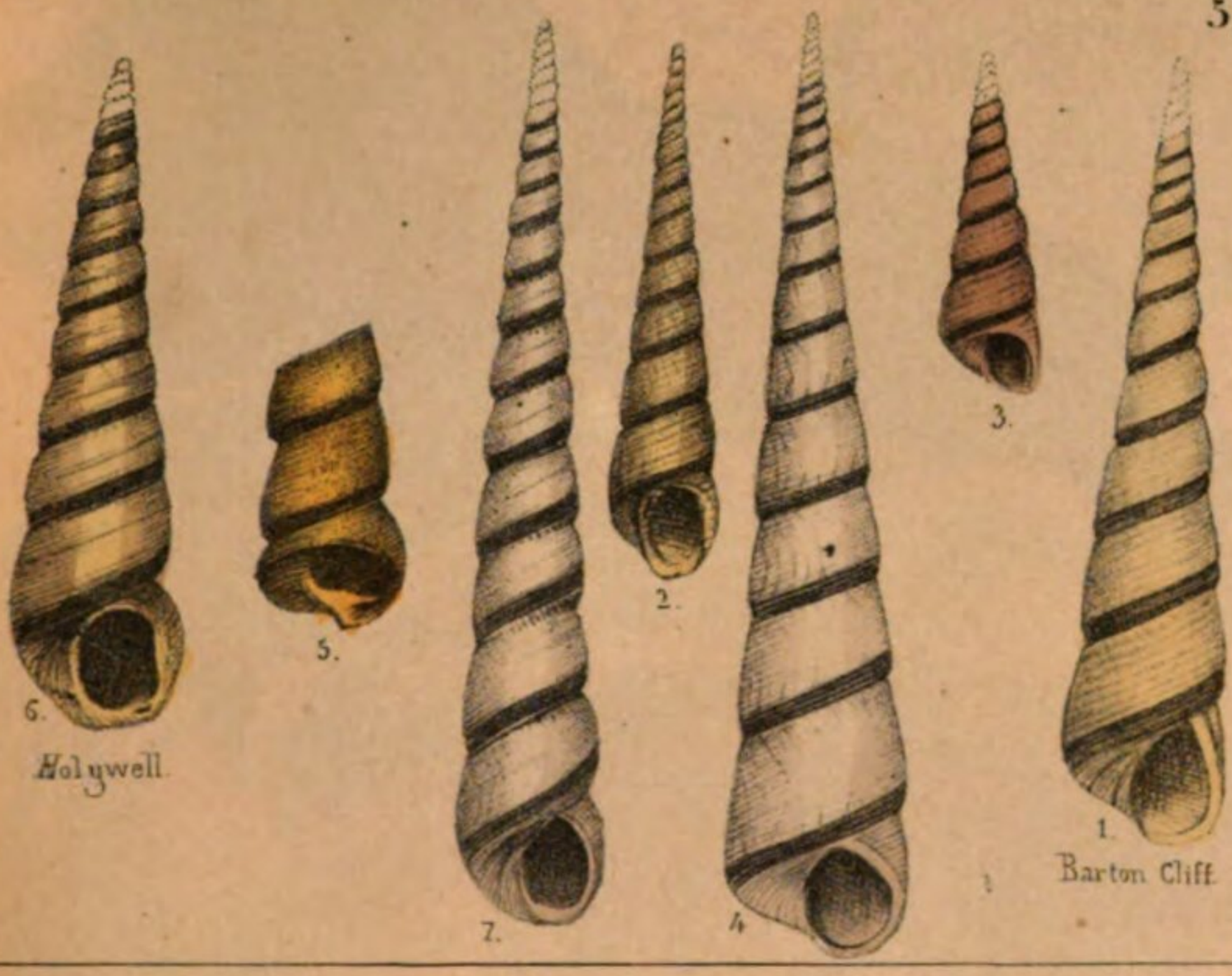
2.

Tab. 49. Fig. 1. 2. Cardium Parkinsoni Sow.

50.

Tab 50. Venericardia phanicosta Lmk.

51.



52.

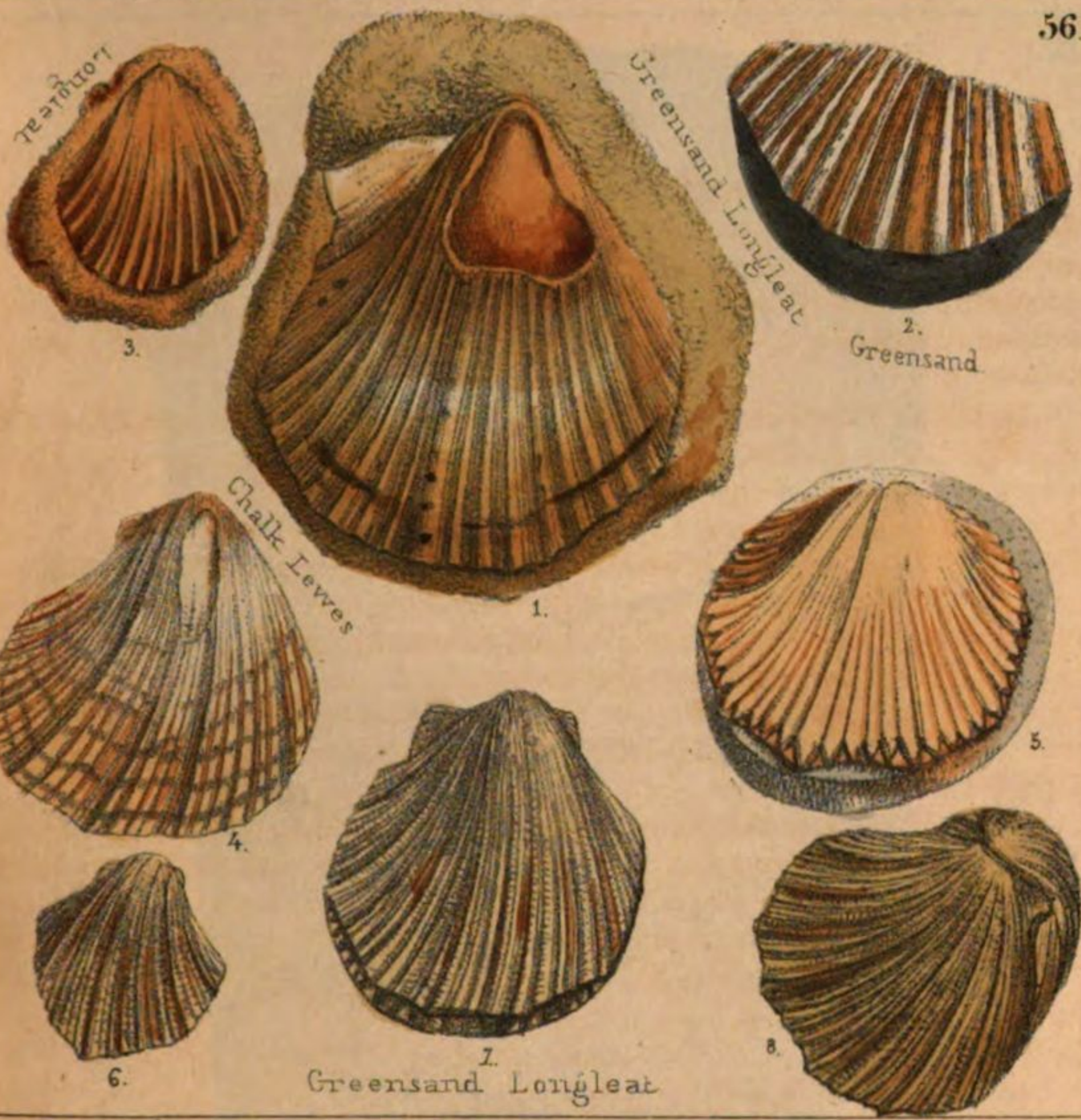
Tab.51 Fig.1.4.5. Turritella conoidea Sow.- Fig. 2. Tur. elongata Sow.- Fig.3. Tur. brevis Sow.
Fig.6. Tur. incrassata Sow.- Fig.7. Tur edita Sow.
Tab.52. Fig.1 Enomphalus discors Sow - Fig.2. Enomp. rugosus Sow- Fig.3. Enomp. angulosus Sow

Tab 54 Ammonites striatus Sow. - Fig. 2. Am. sphaericus Sow. - Fig. 3. Am. minutus Sow.
Tab. 54. Ammonites sublevis Sow.

55.

Tab. 55. Ammonites mantellii Sow

56.



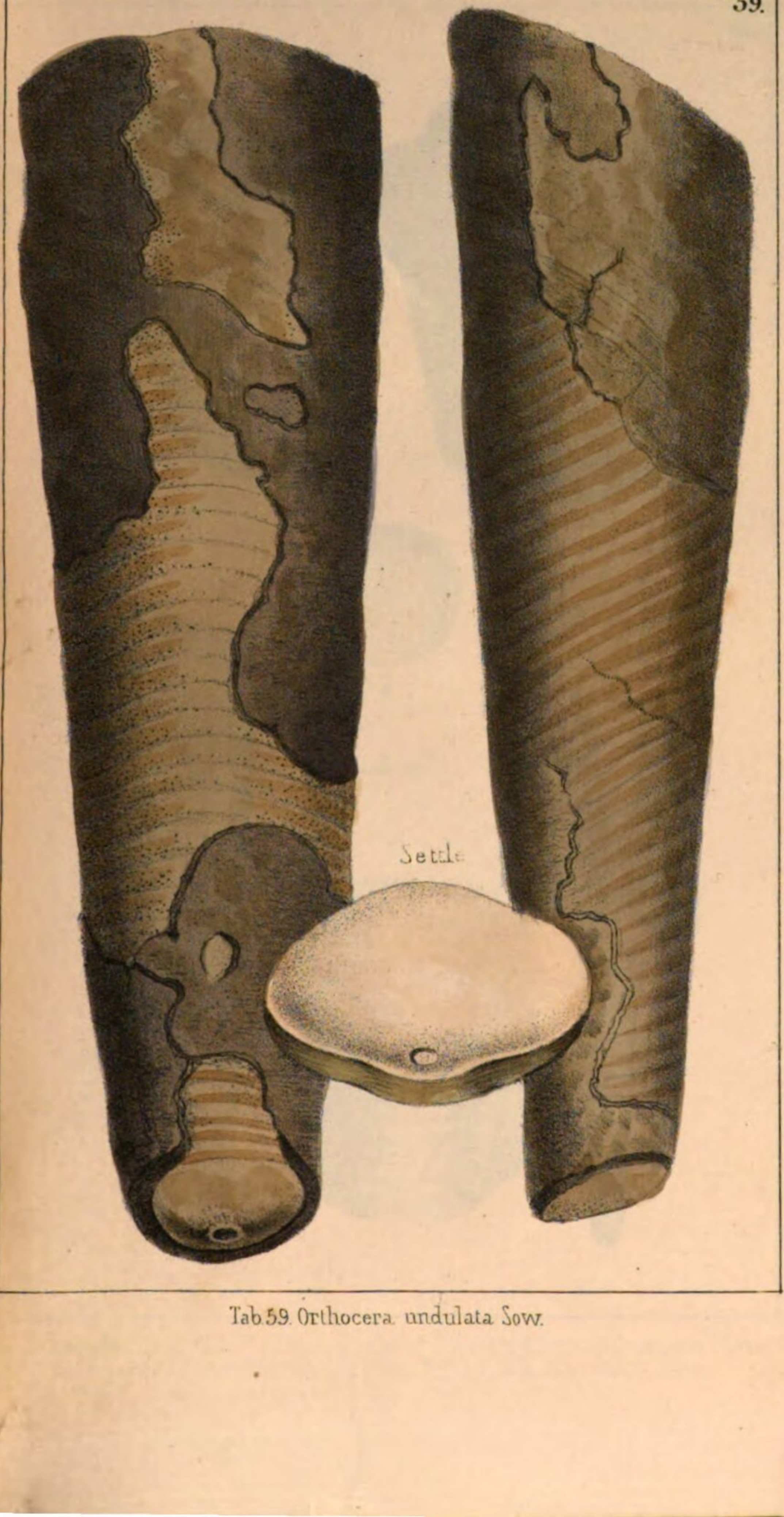
57.

Tab. 56 Fig. 1-2. Pecten quadricostatus Sow. - Fig. 4-8. Pect. quinquecostatus Sow.
Tab. 57 Fig. 1-5. Vermicularia concava Sow. - Fig. 6-7. Verm. umbonata Sow. - Fig. 8. Verm. ovata Sow.

58.

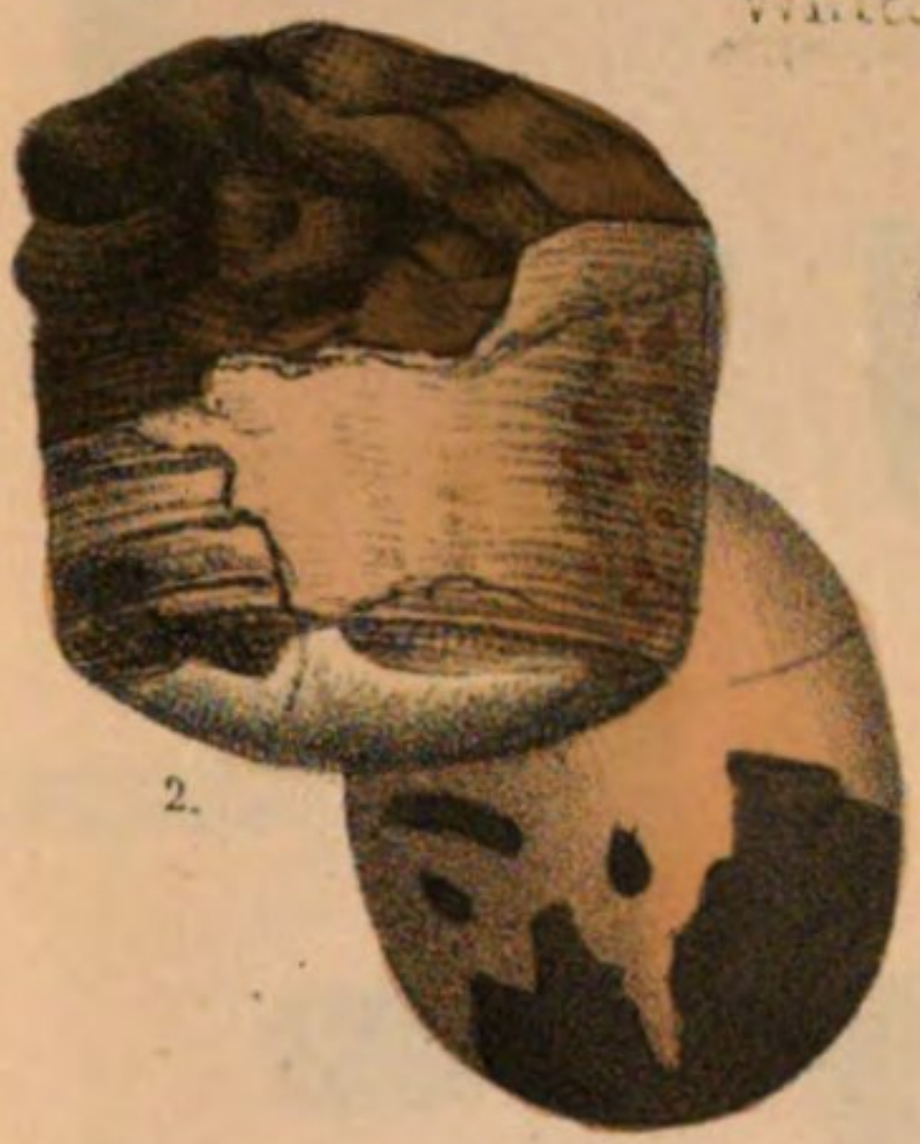
Tab. 58. Orthocera striata Sow.

59.



Tab. 59. Orthocera undulata Sow.

60.



2.

1.

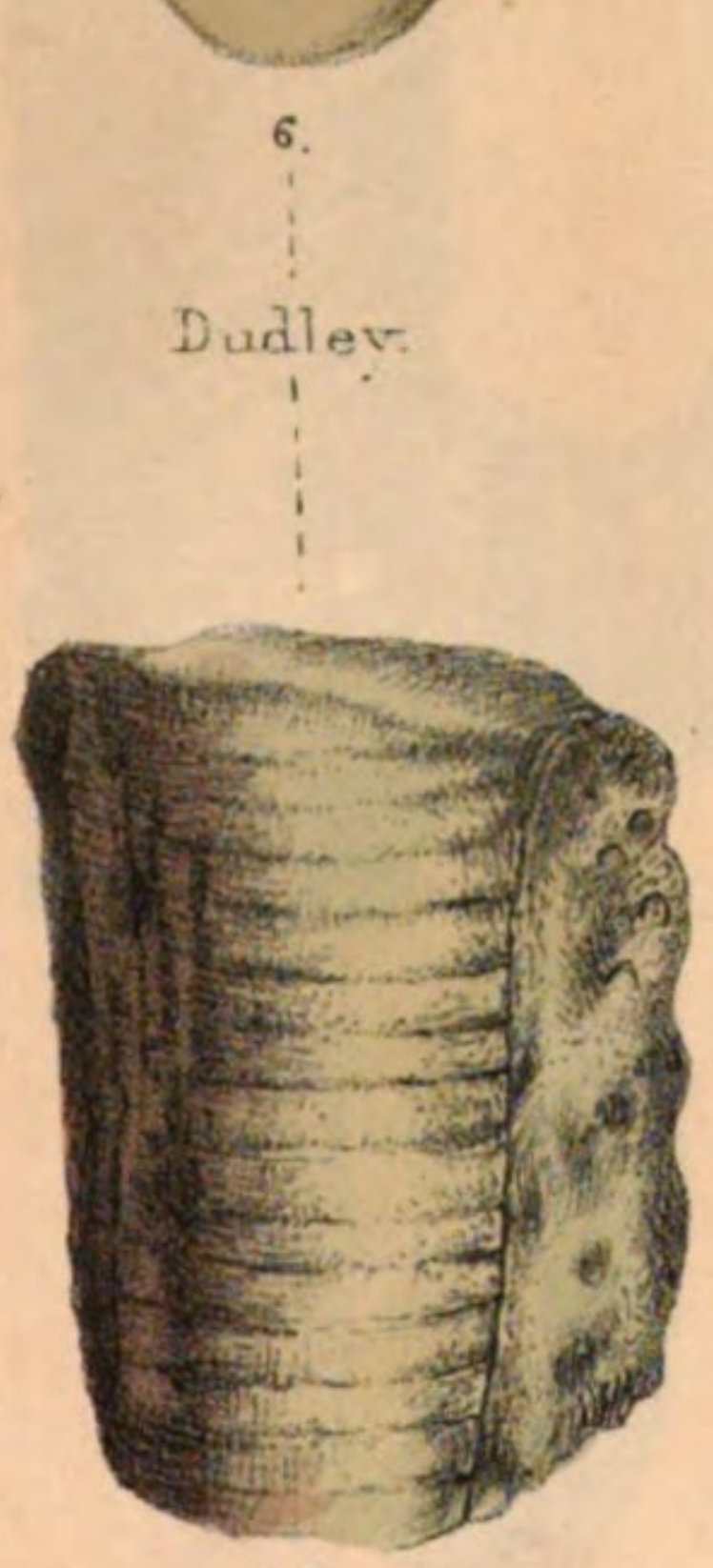
3.

6.

Dudley.

5

Derbyshire



7.

4.

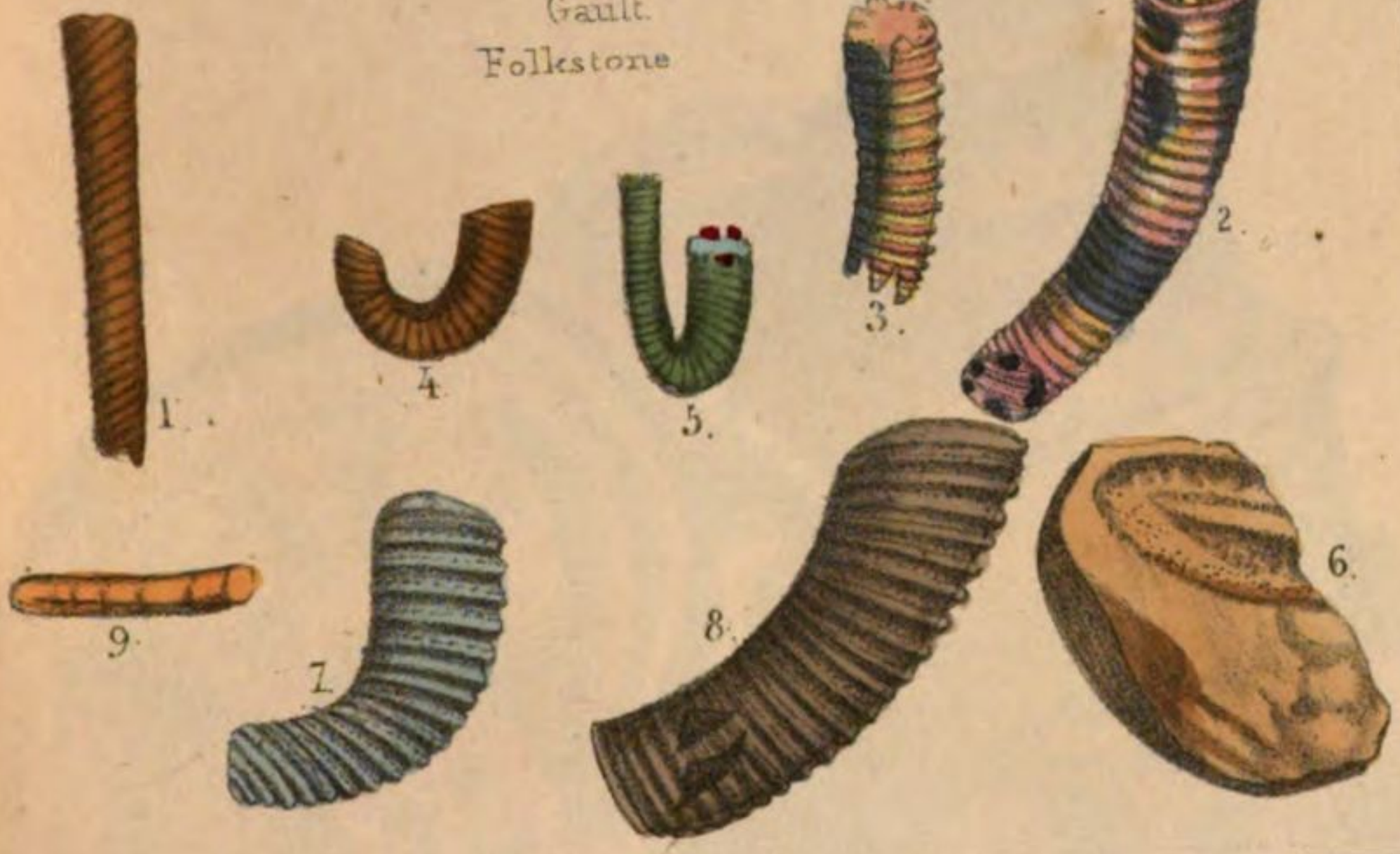
Halifax

Tab. 60. Fig. 1:3. Orthocera conica Sow. Fig. 4 Orth. Steinhaueri Sow.
Fig. 5. Orth. Brevis Sow. Fig. 6.7 Orth. circularis Sow.

45.

61.

Gault.
Folkstone



62.

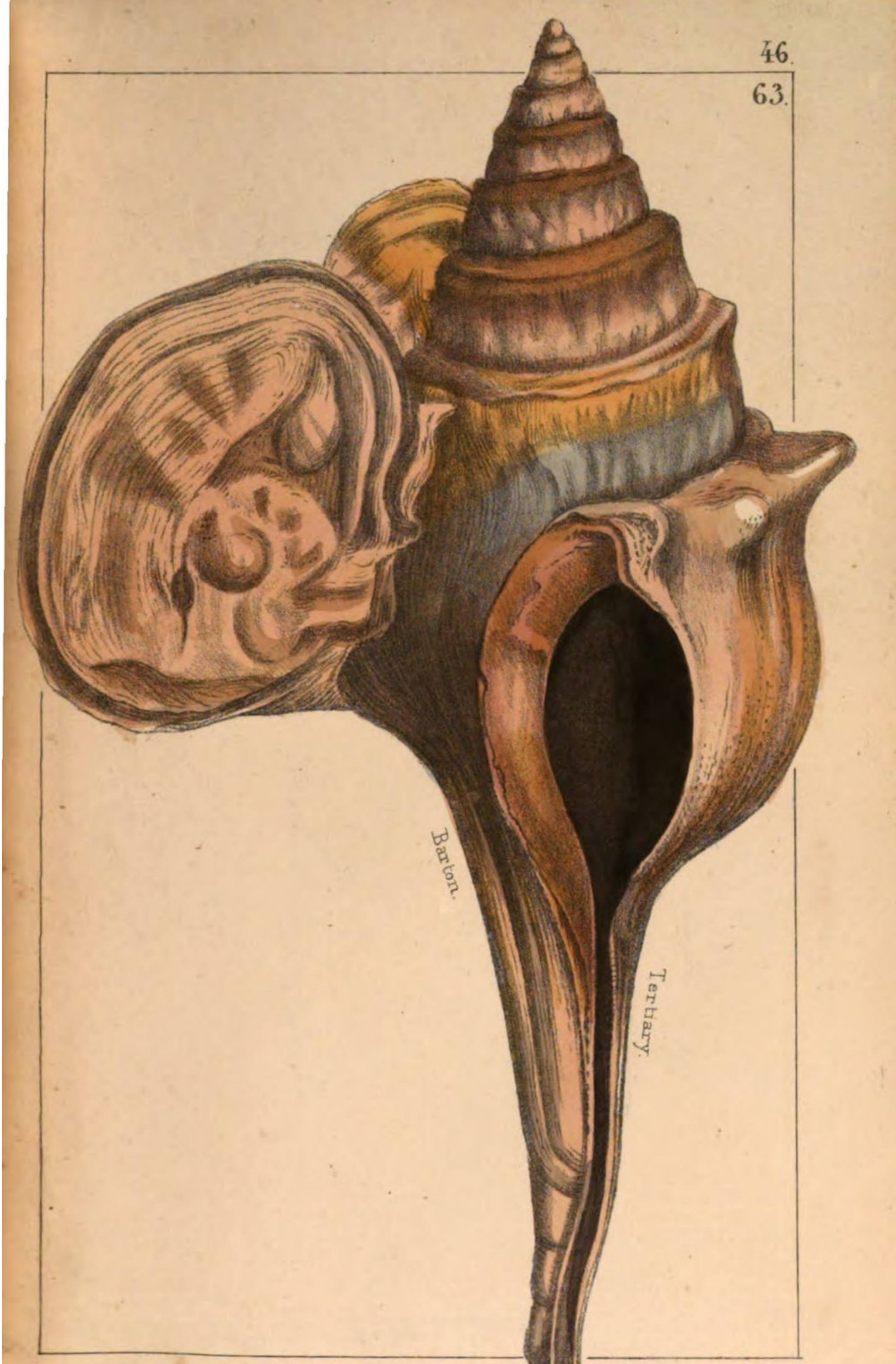
Gault.
Folkstone

T. 61. Fig. 1. Hamites tennis Sow. Fig. 2. 3. 4. Ham. rotundus Sow. Fig. 5. 6. Ham. attenuatus Sow. Fig. 7. 8. Ham. compressus Sow. F. 9. Ham. adpressus Sow.

T. 62. Fig. 1. Ham. maximus Sow. Fig. 2. 3. 4. 5. 6. 7. 8. Ham. intermedius Sow. Fig. 9. Ham. gibbosus Sow.

46.

63.



Barton.

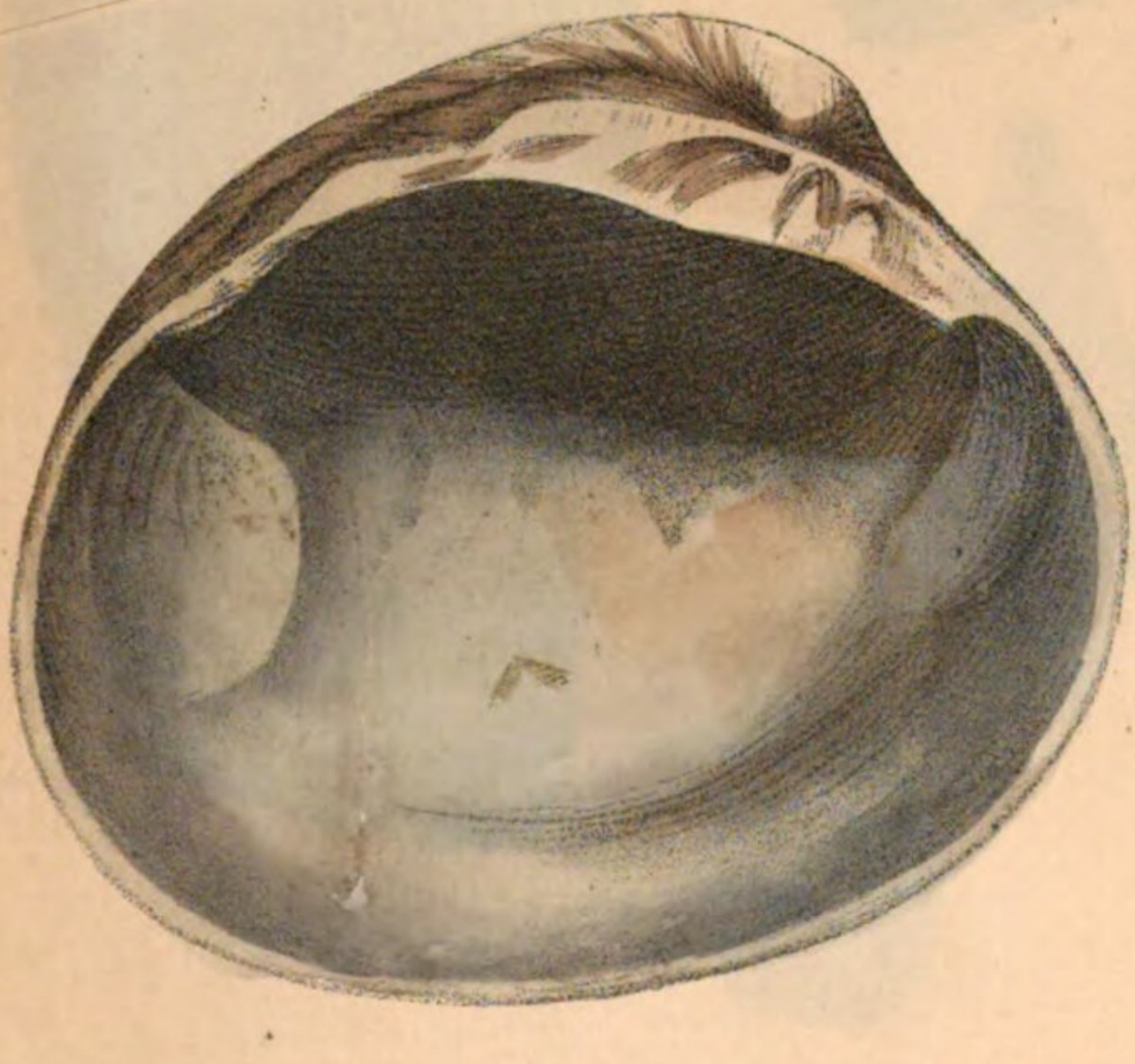
Tertiary.

Fusus longaevus Sow.

Venus angulata Sow

65.

Blackdown
Greensand



Venus angulata Sow

49.

66.

1.

2.

Osmington

3.

Whitenab

4.

Perna aviculoïdes Sow.

67.

Blackdown.
Greensand.

68.

Coal
Linlithgow

2.

1.

Coal
Linlithgow.

4.

3.

Coal
Linlithgow.

6.

5.

Buxton
Coal.

8.

7.

Tab. 67. Cucullaea glabra. Sow.-Tab. 68. Fig. 1 2. Productus longispinus Sow. Fig. 3 4. Prod. Flemingii Sow. Fig. 5 6. Prod. spinulosus Sow. Fig. 7 8. Prod. aculeatus Sow.

69.

2.

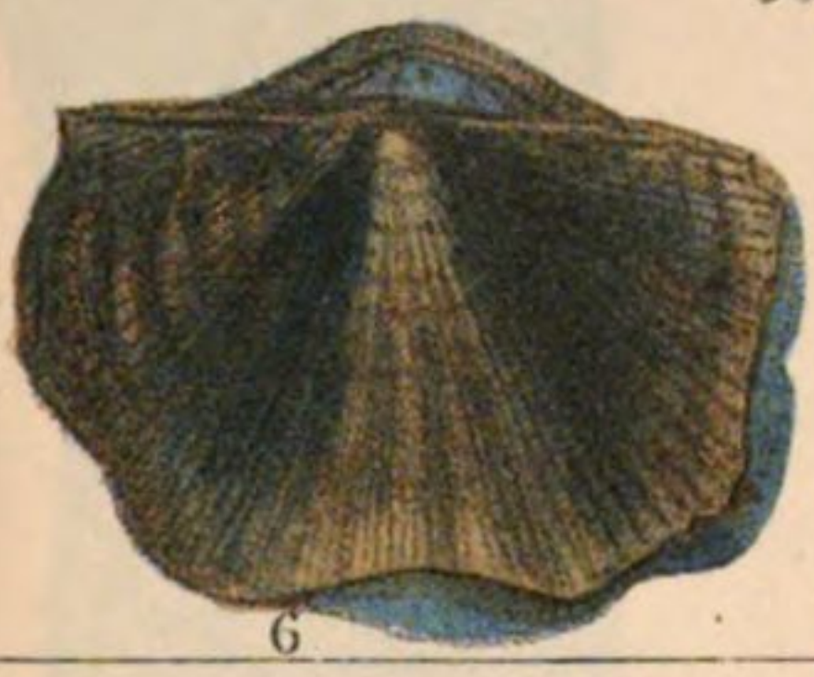
Buxton
Coal.

1.

4

Scotland
Coal

3.



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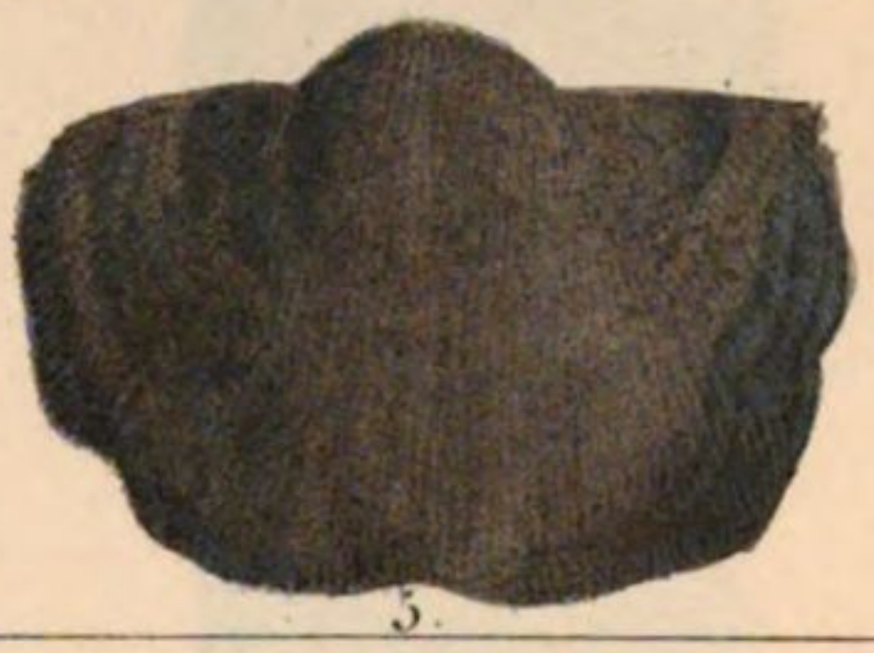
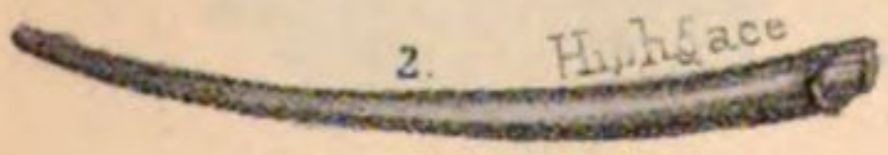


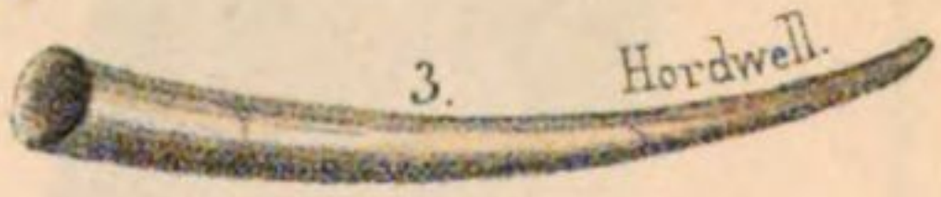
5.

70.

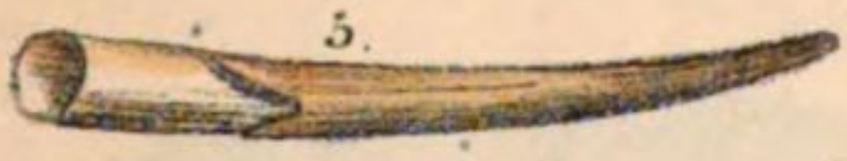
1



2. Hunstace



3. Hordwell.



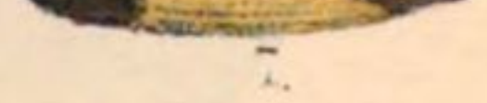
5.

4.

Hordwell.

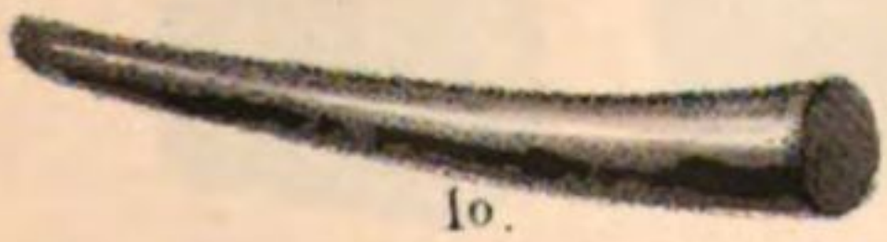
6.

8.



Sussex

Holywell.
Folkstone



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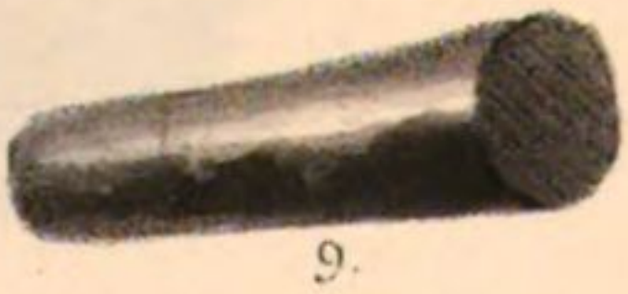
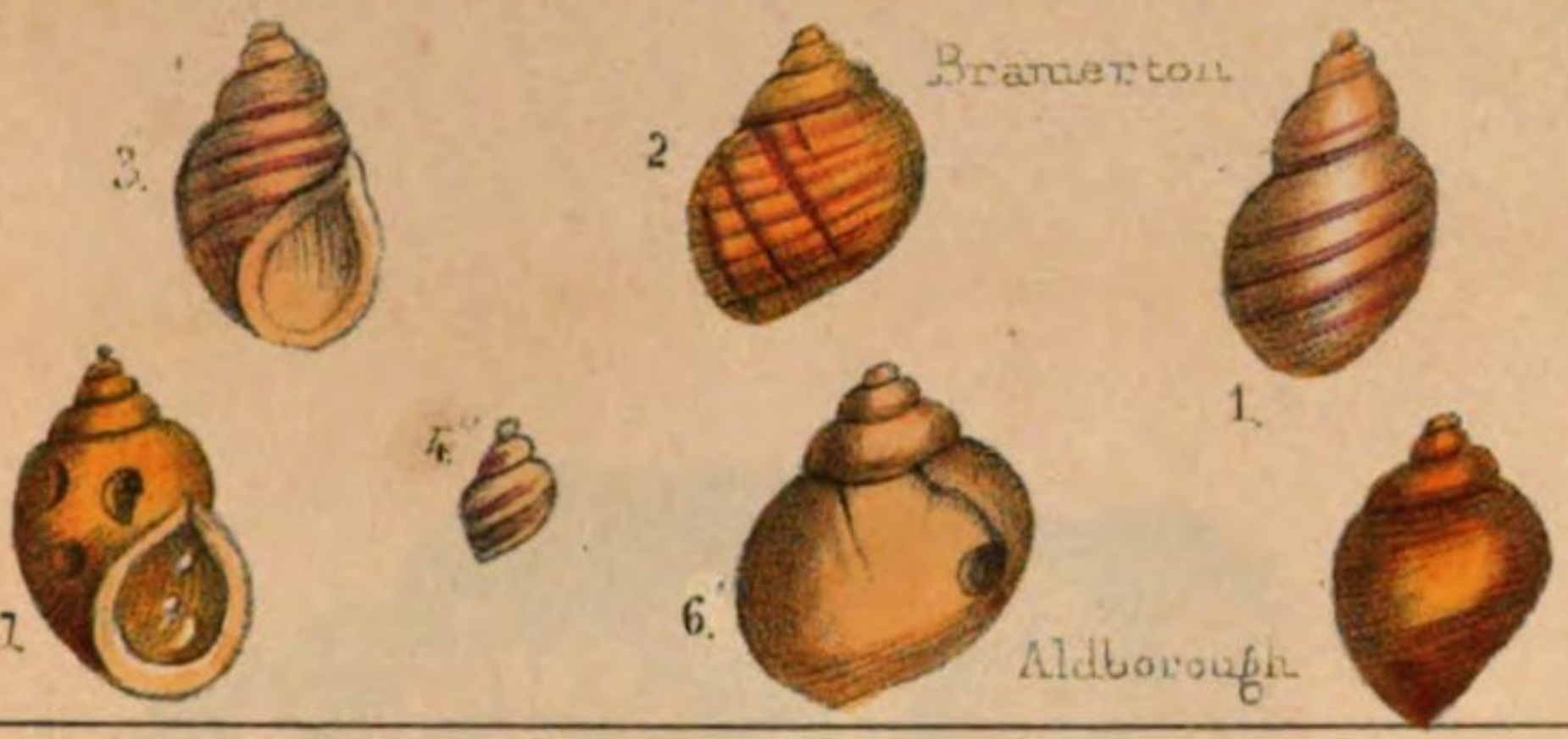


9.

Fig.69. F.12 Productus scaoriculus Sow. Fig.3.4. Prod. spinosus Sow. Fig.5.6. Prod. scoticus Sow.
F12 Dentalium rutens Sow. Fig.3 Dent entalis Sow. Fig.4.5.6. Dent striatum Sow. Fig.7. Dent decussatum Sow.
Fig.8.9.10. Dent. ellipticum Sow. Fig.11. Dent. costatum Sow.

71.



72.

Tab. 71 Fig. 1-4 Turbo littoreus. Lin. Fig 5-7. Turbo rudis Lin.
Tab 72. Amplexus coralloides Sow

73.

1.

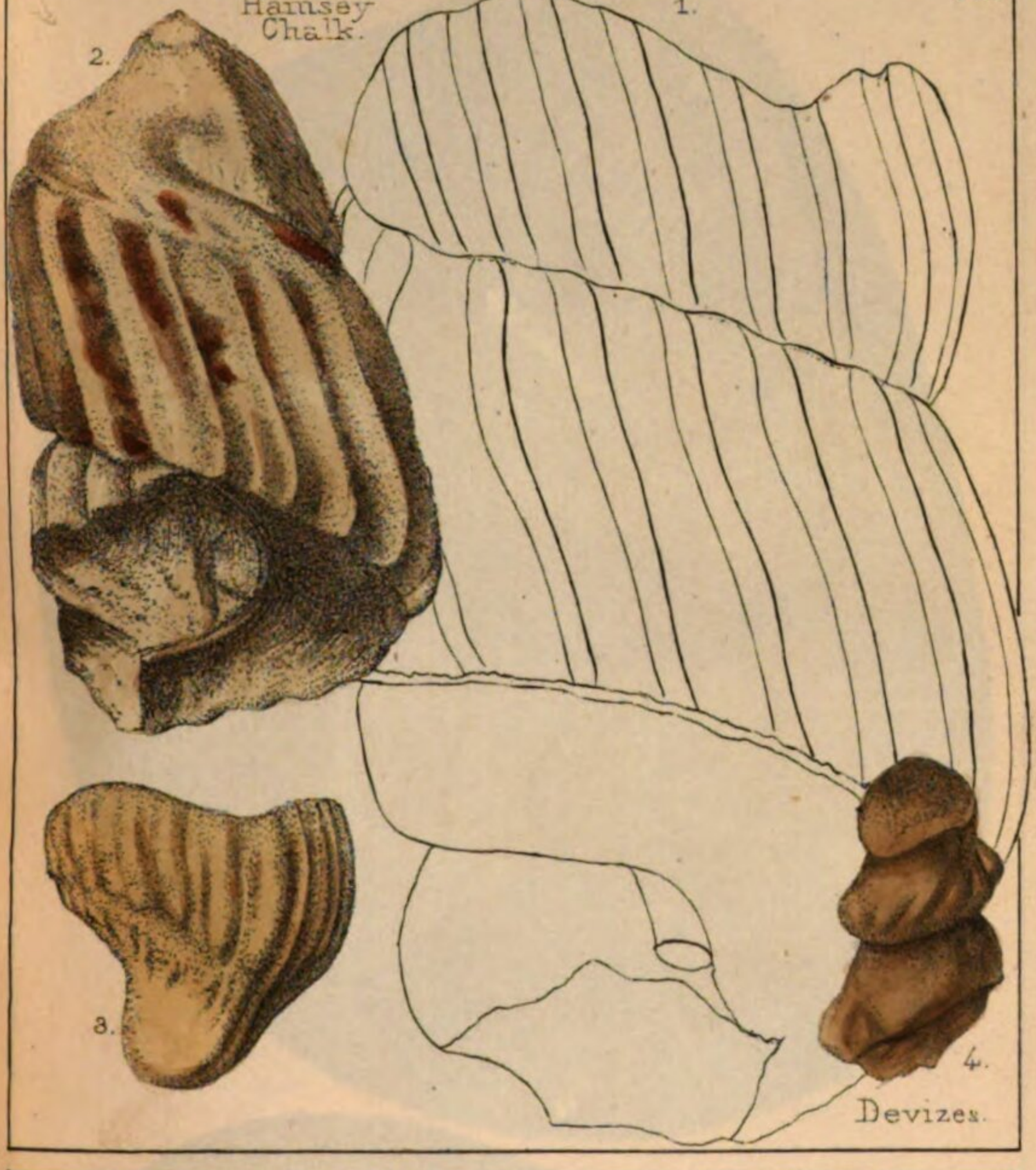
Marston magna

3. 4. 5

Ammonites planicostatus Sow

75.

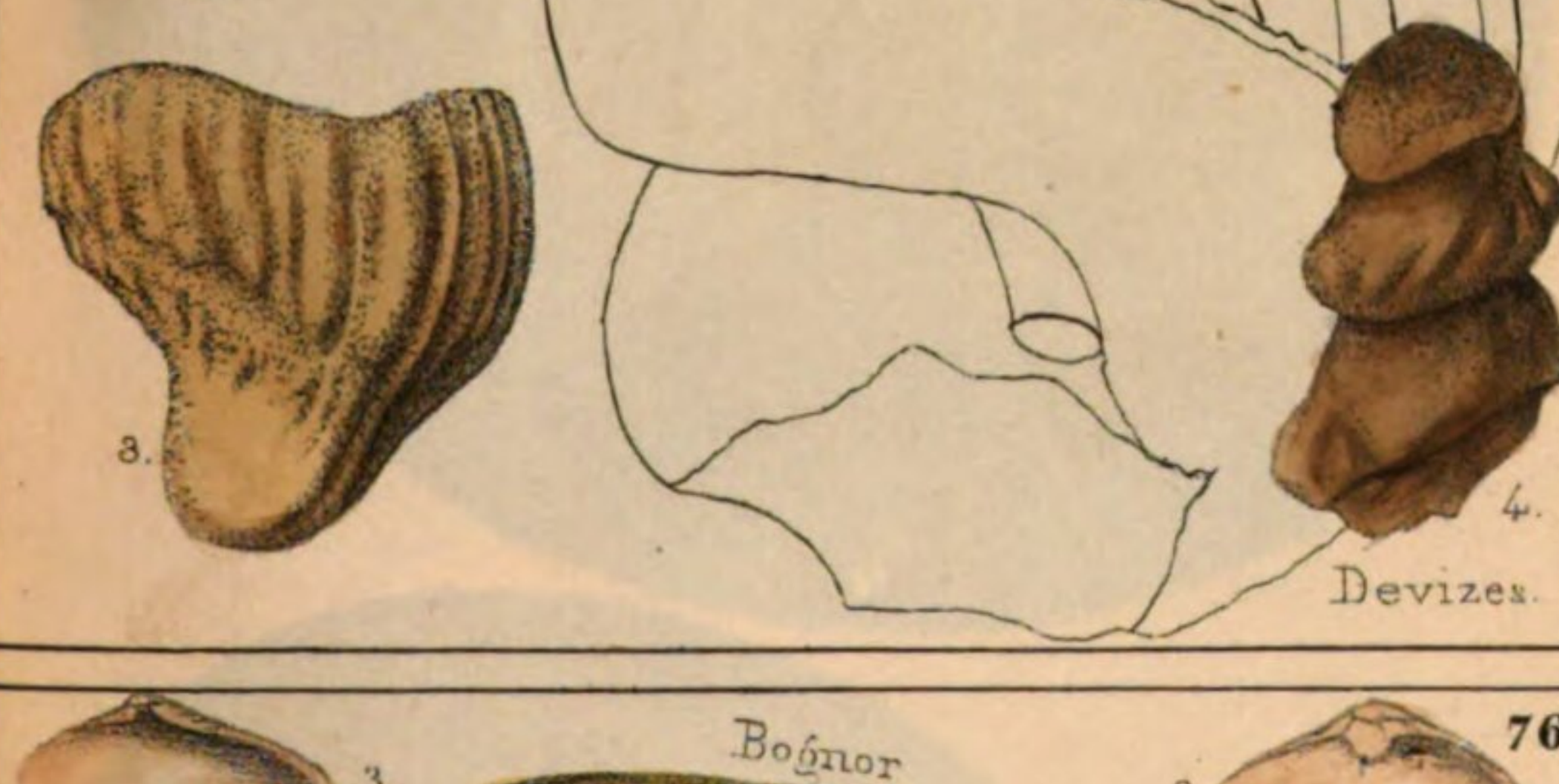
Hamsey
Chalk.



Devizes.

76.

Bognor

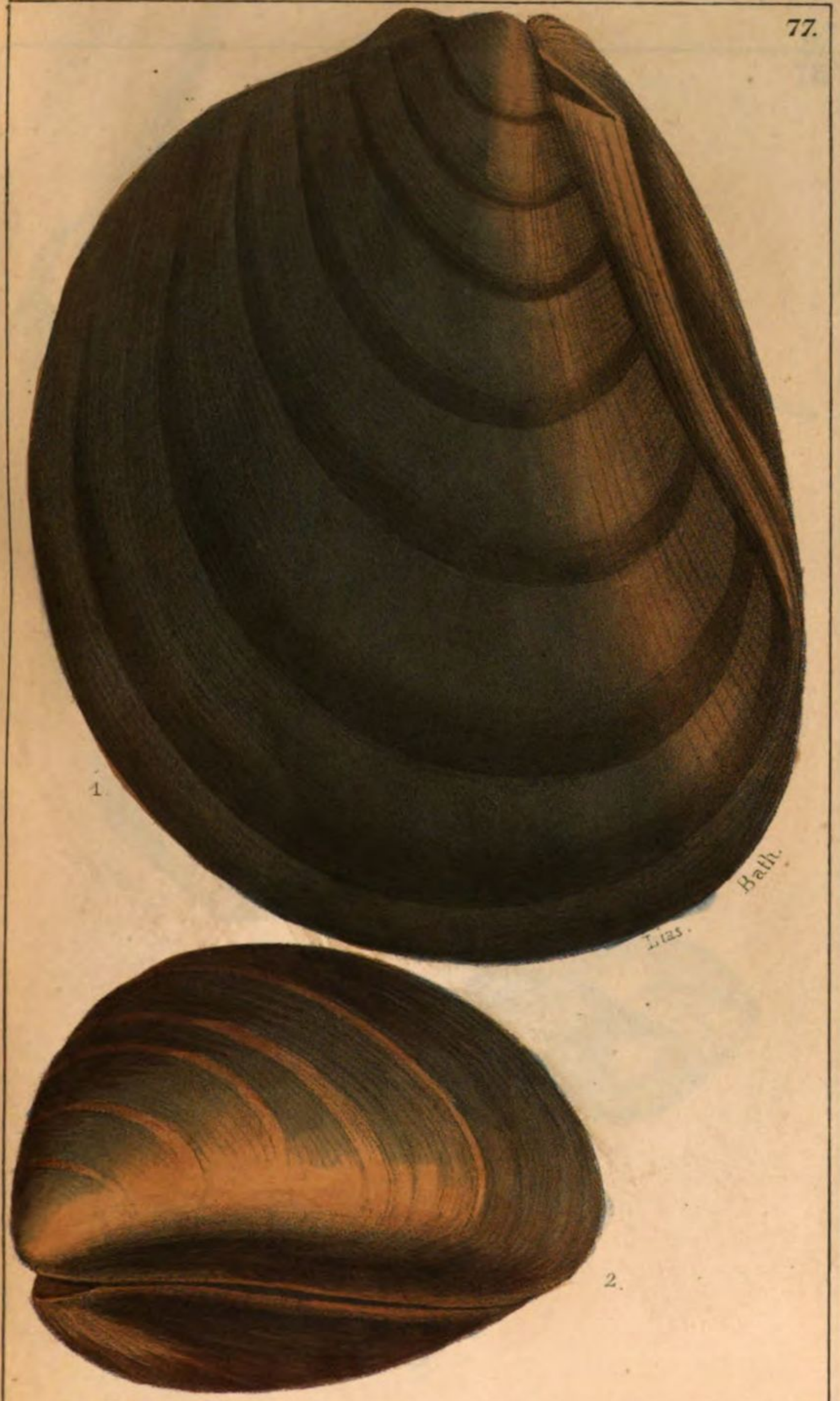


Plumsted

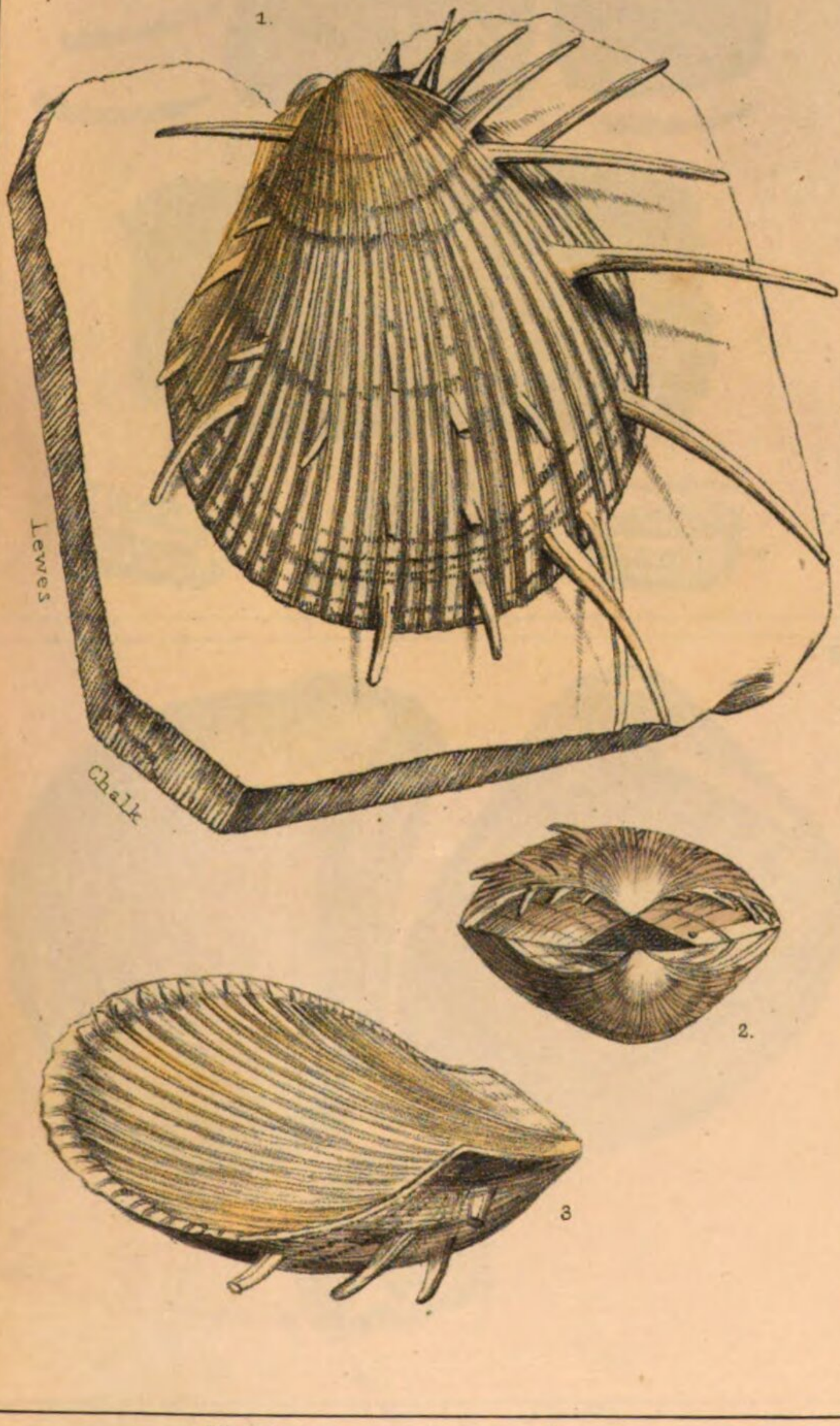
Barton

Tab. 75 Fig. 1-3. Turritites undulatus Sow. Fig. 4. Tur. obliquus Sow.
Tab. 76. Fig. 1 Mya intermedia Sow. Fig. 2.3 Mya plana Sow.
Fig 4.5 Mya subangulata Sow.

77.



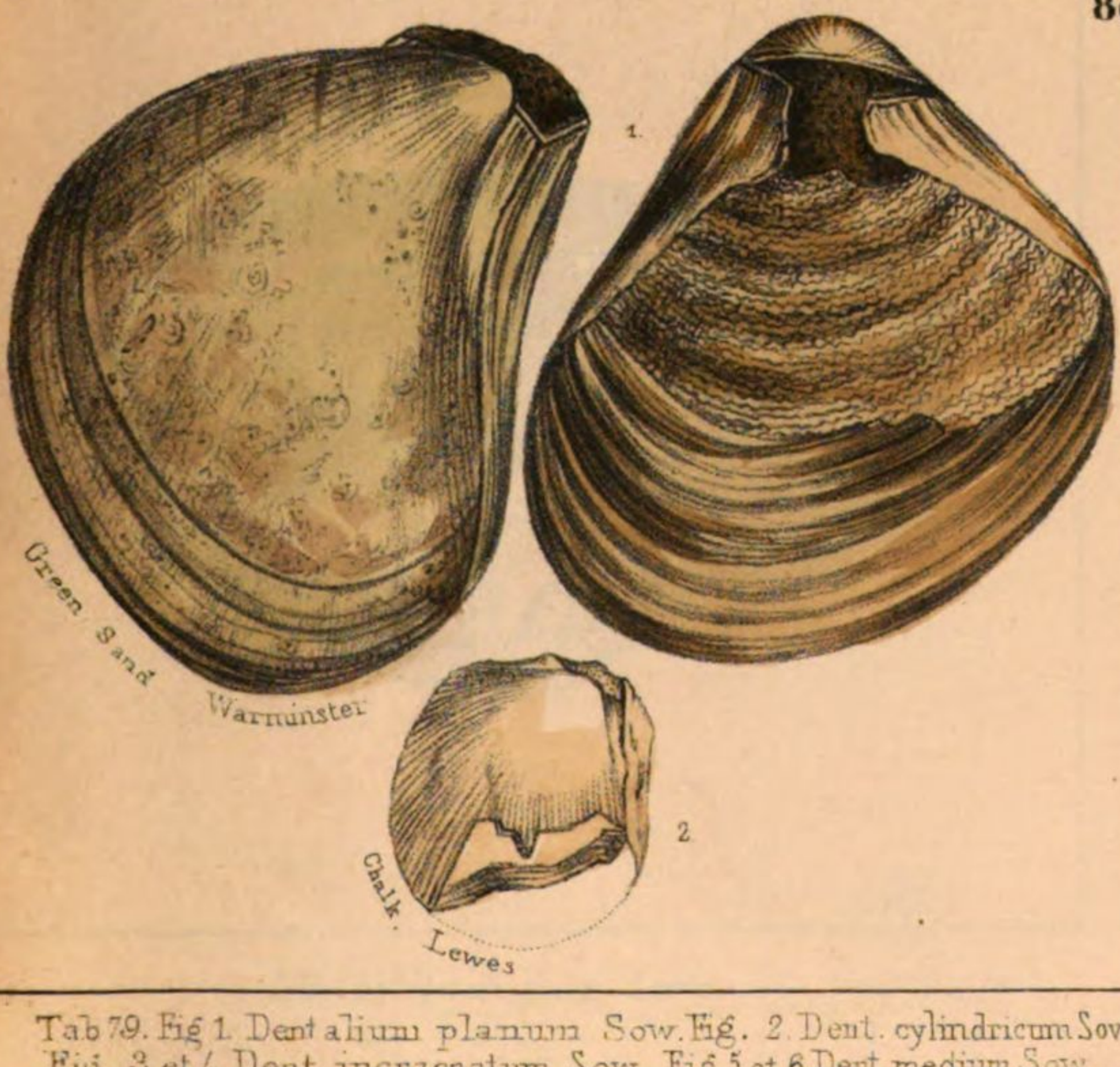
Plagiostoma giganteum Sow



Plagiostoma spinosum Sow.

79

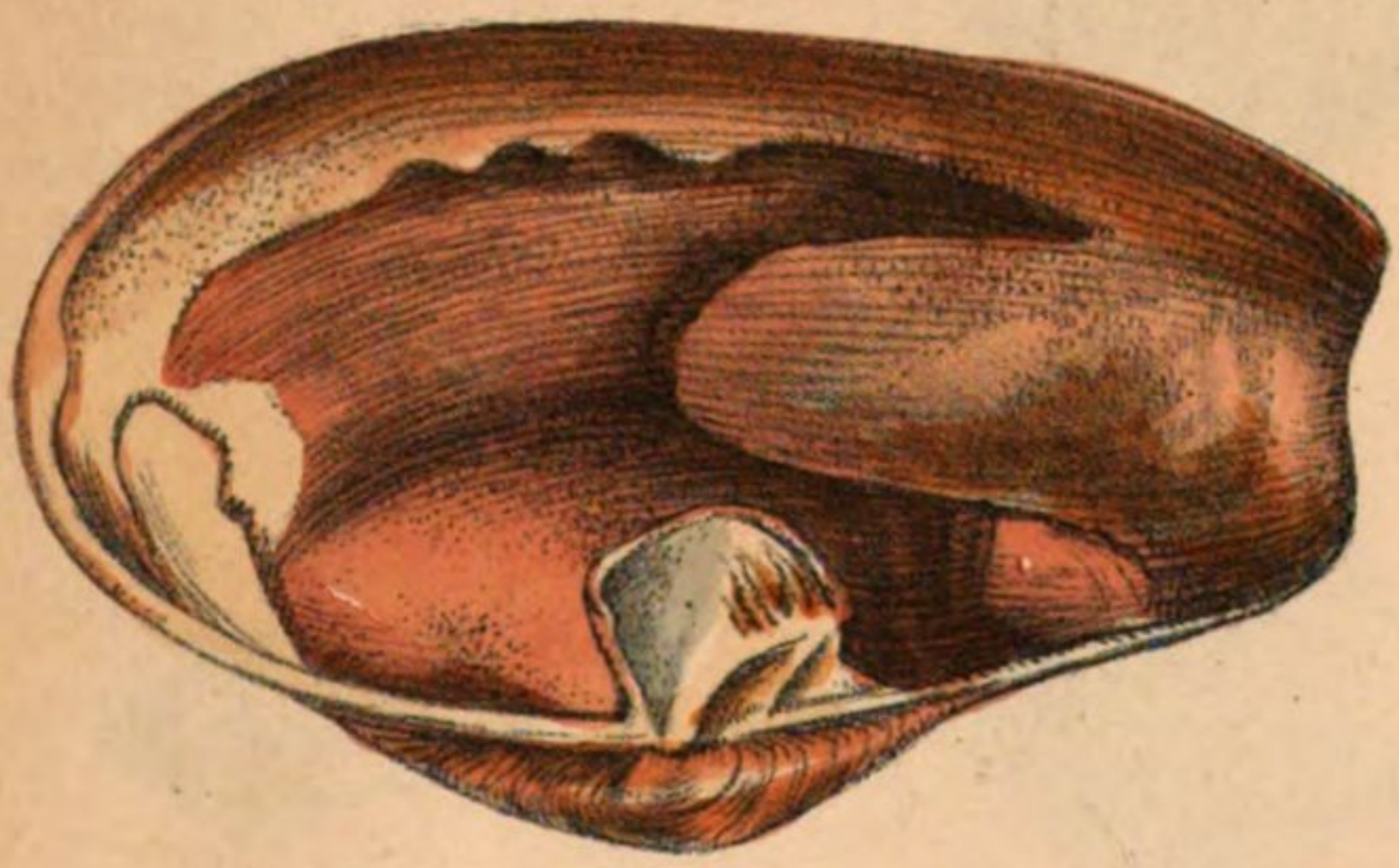
80



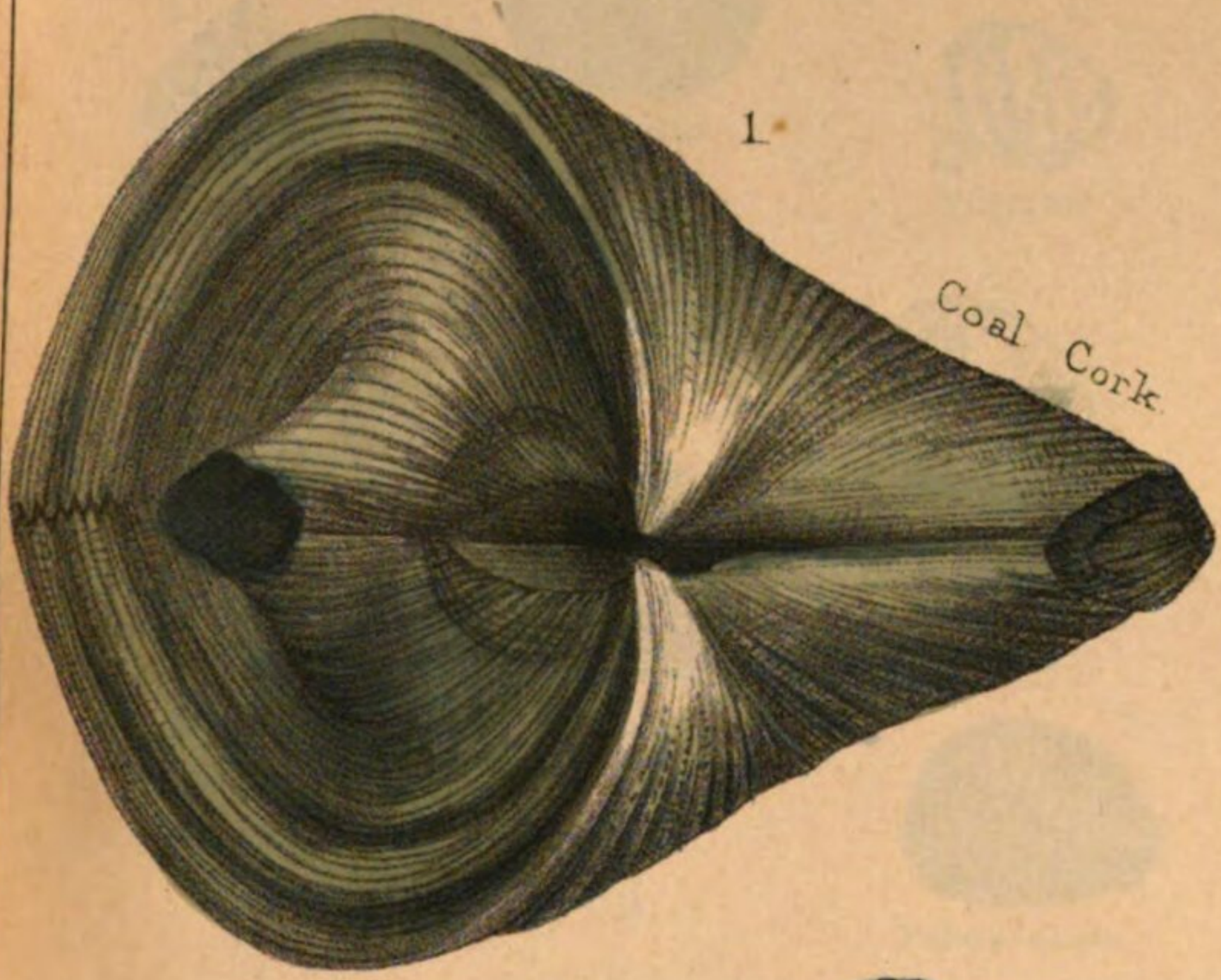
Tab 79. Fig 1. Dent alium planum Sow. Fig. 2. Dent. cylindricum Sow.
Fig. 3 et 4 Dent. incrassatum Sow. Fig 5 et 6. Dent. medium Sow.
Tab. 80. Fig. 1. Dianchora striata Sow. Fig. 2. Dianch. lata Sow.

81.

Tertiary.



Tab. 81. Mya lata Sow.



1.

Coal Cork

2.

4.

Coal
Derbyshire

5.

3.

Tab. 82 Fig. 1. 2. 3. Cardium hibernicum Sow.
Fig. 4. 5. Card. elongatum Sow.

83

2.

1.
Dublin

4.
Winster.

3.

5.
Aynhoe

6.

7.
Aynhoe

8.
Aynhoe

10.

9.
Felmersham

84

1.
Bramerton

3.
Ipswich

5.

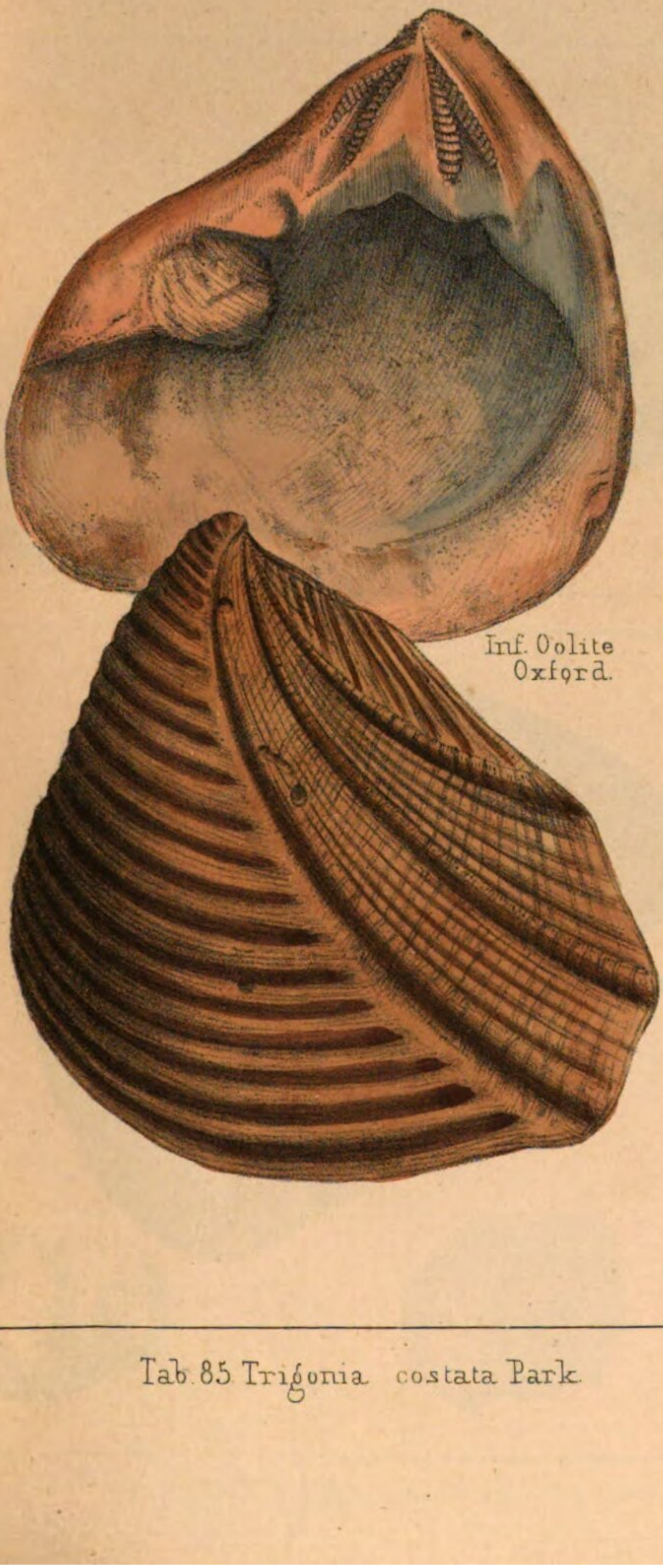
4.

2.

6.

Tab. 83. Fig. 1. Terebratula lateralis Sow. - Fig. 2. 3. 4. Tereb. crumena Sow.
Fig. 5. 6. Tereb. tetraedra Sow. - Fig. 7. Tereb. media Sow.
Fig. 8. Tereb. concinna Sow. - Fig. 9. Tereb. obsoleta Sow.
Tab. 84. Fig. 1. 2. Balanus tesselatus Sow. - Fig. 3-6. Balan. crassus Sow.

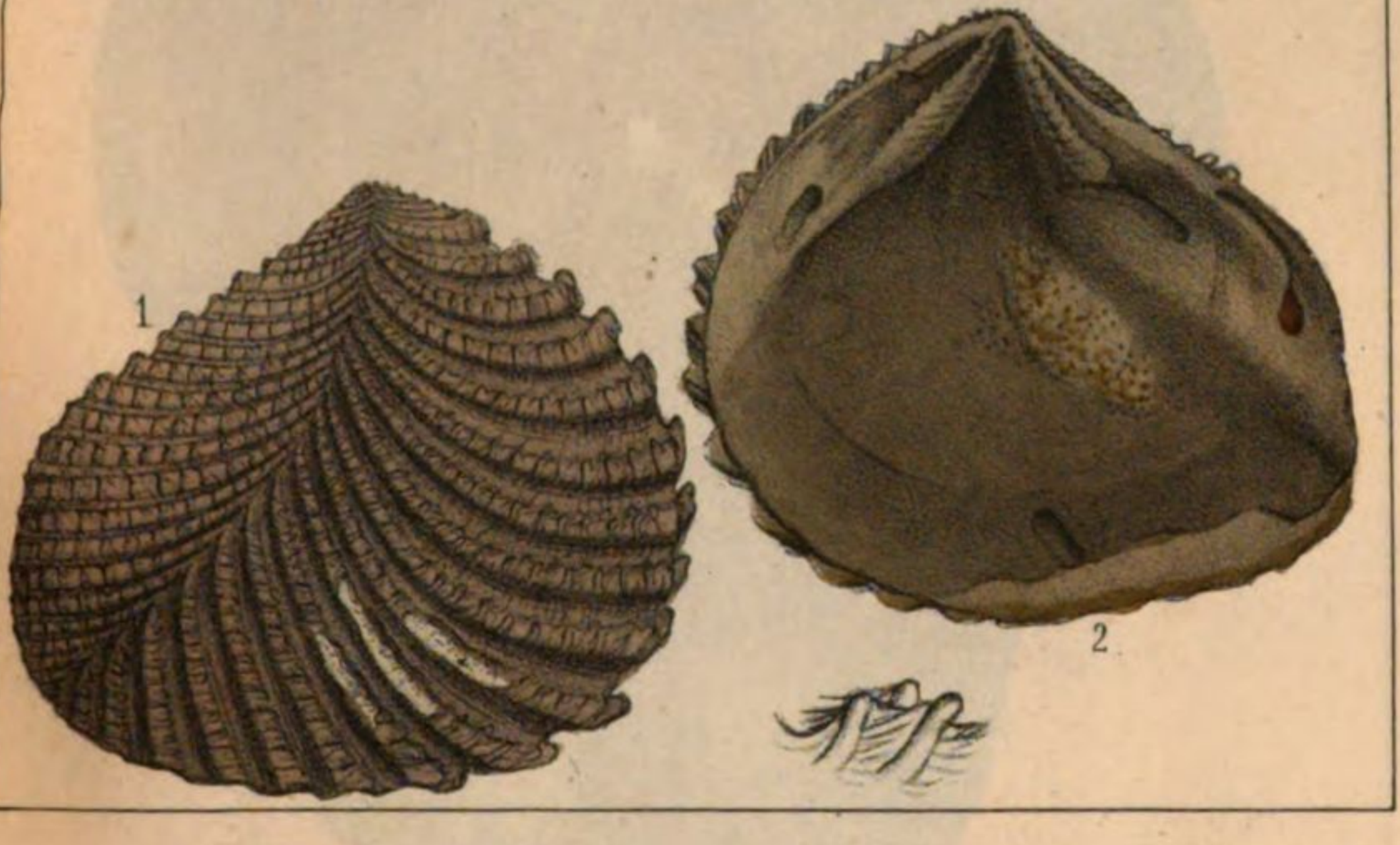
85.



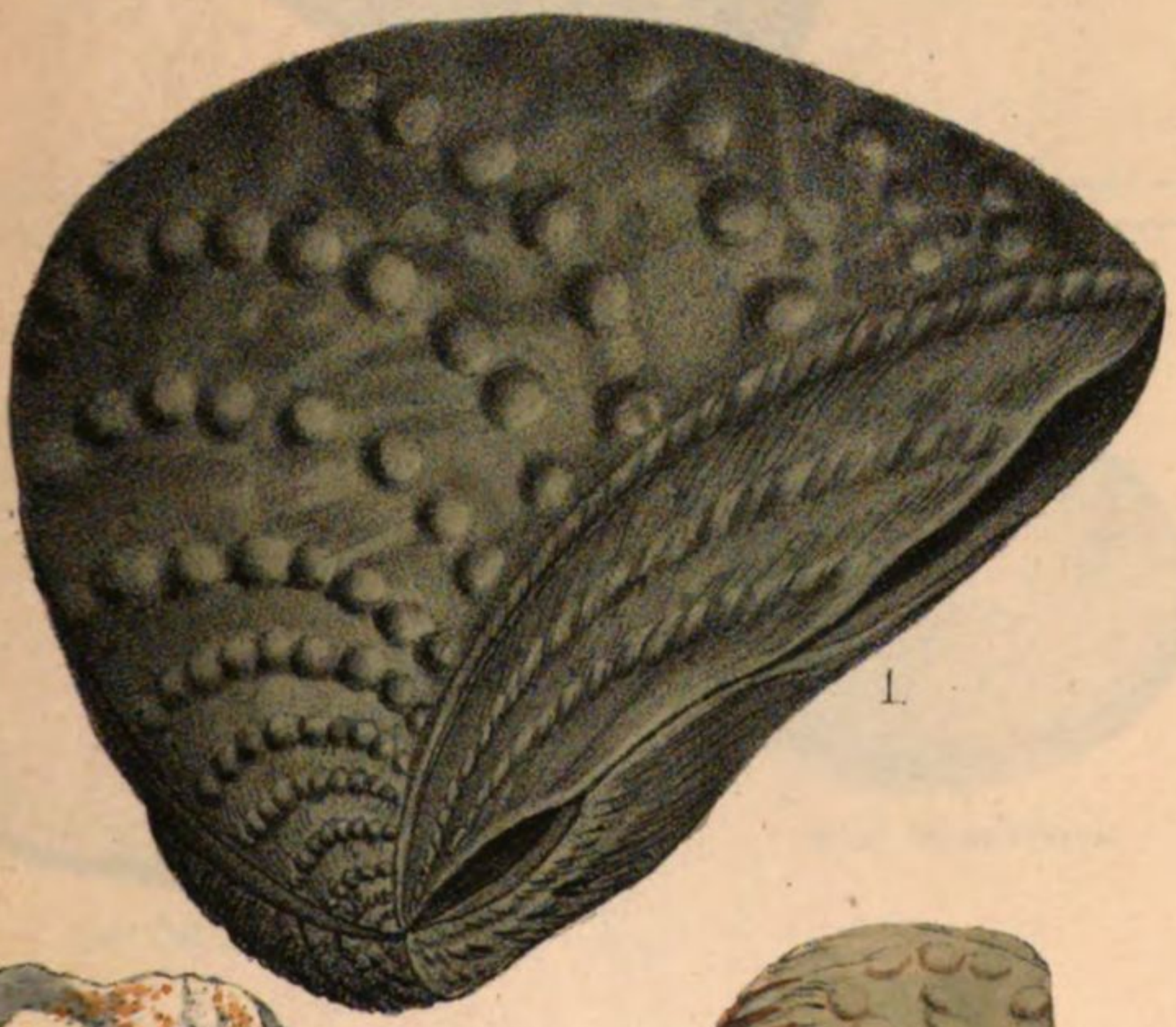
Tab. 85 Trigonia costata Park.

63.

86.

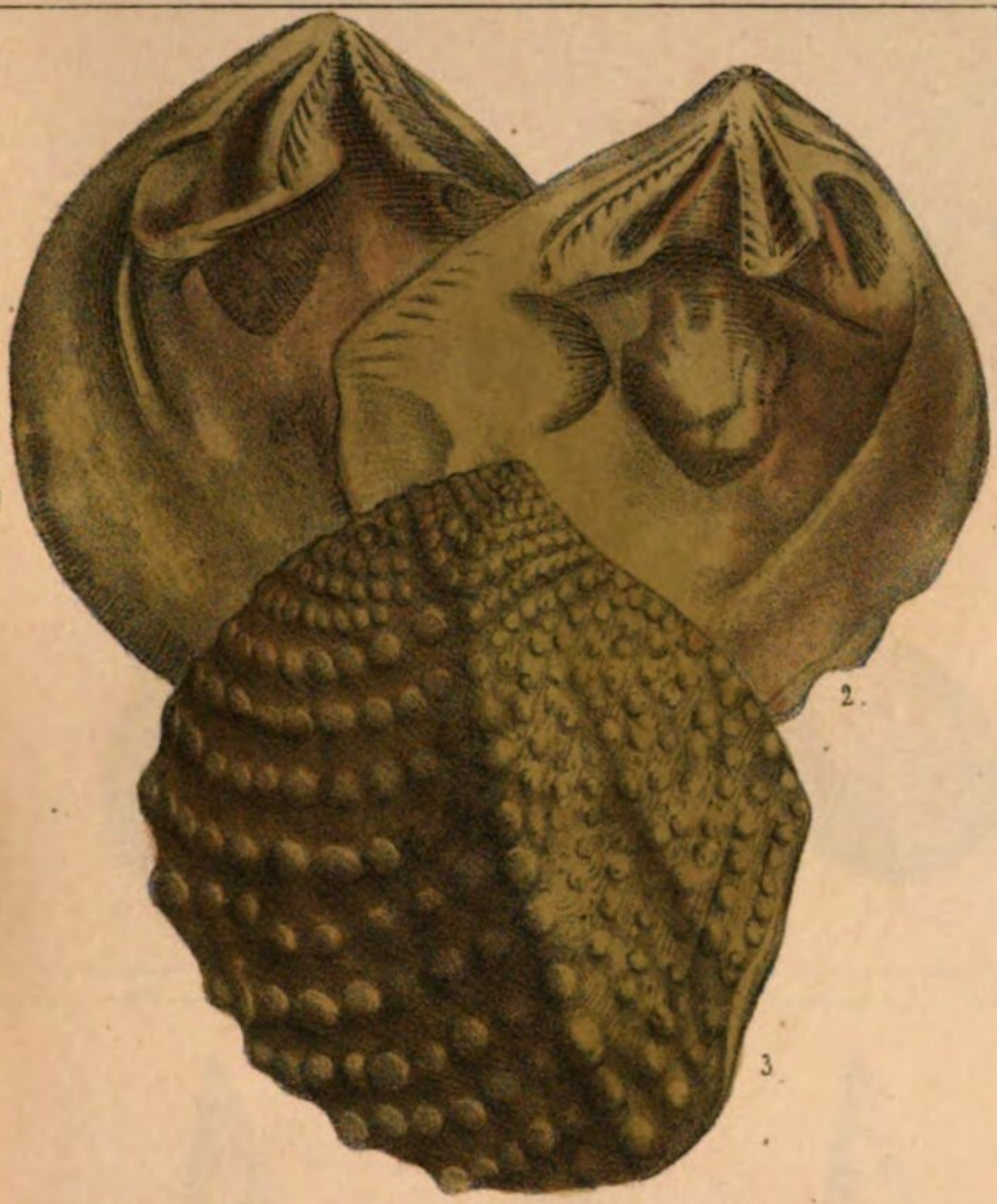


87

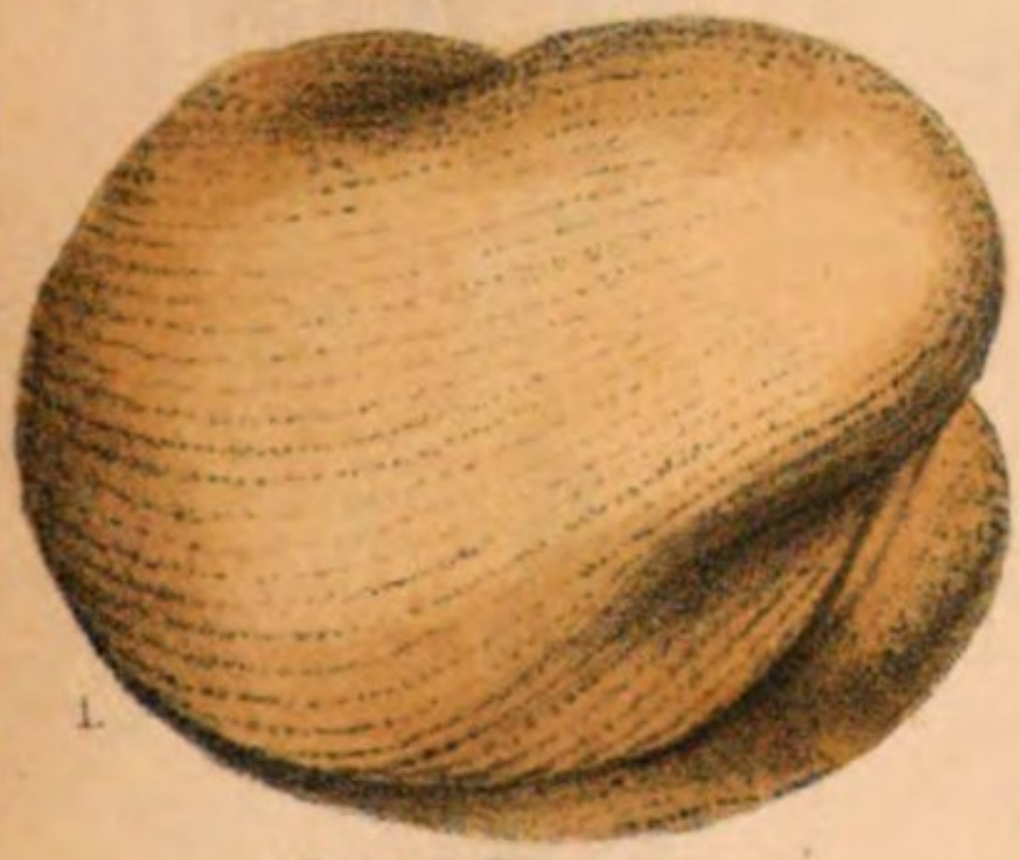


Tab. 86. Trigonia spinosa Sow. Tab. 87. Fig. 1 Trig. clavellata Sow. Fig. 2 3. Trig. daedalea Sow.

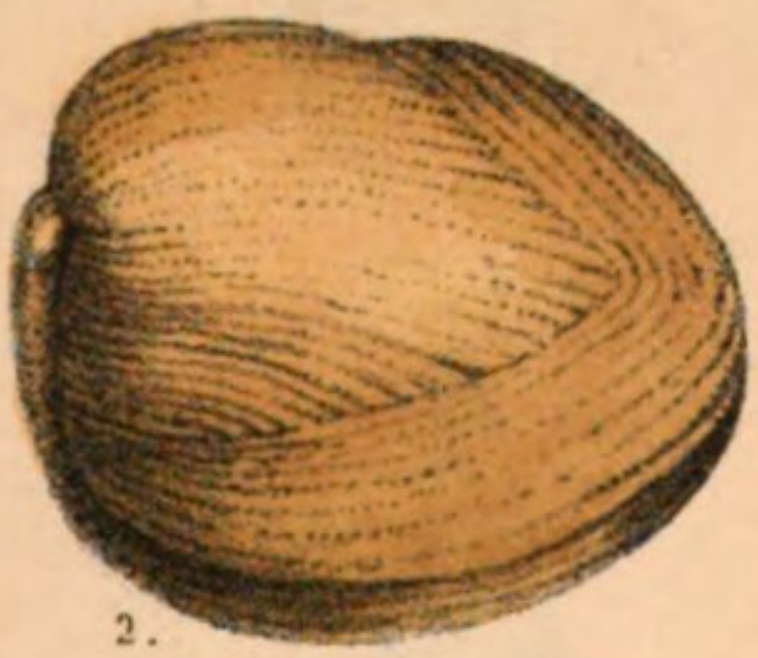
88.



89.



Gr. Ool. Swanswick

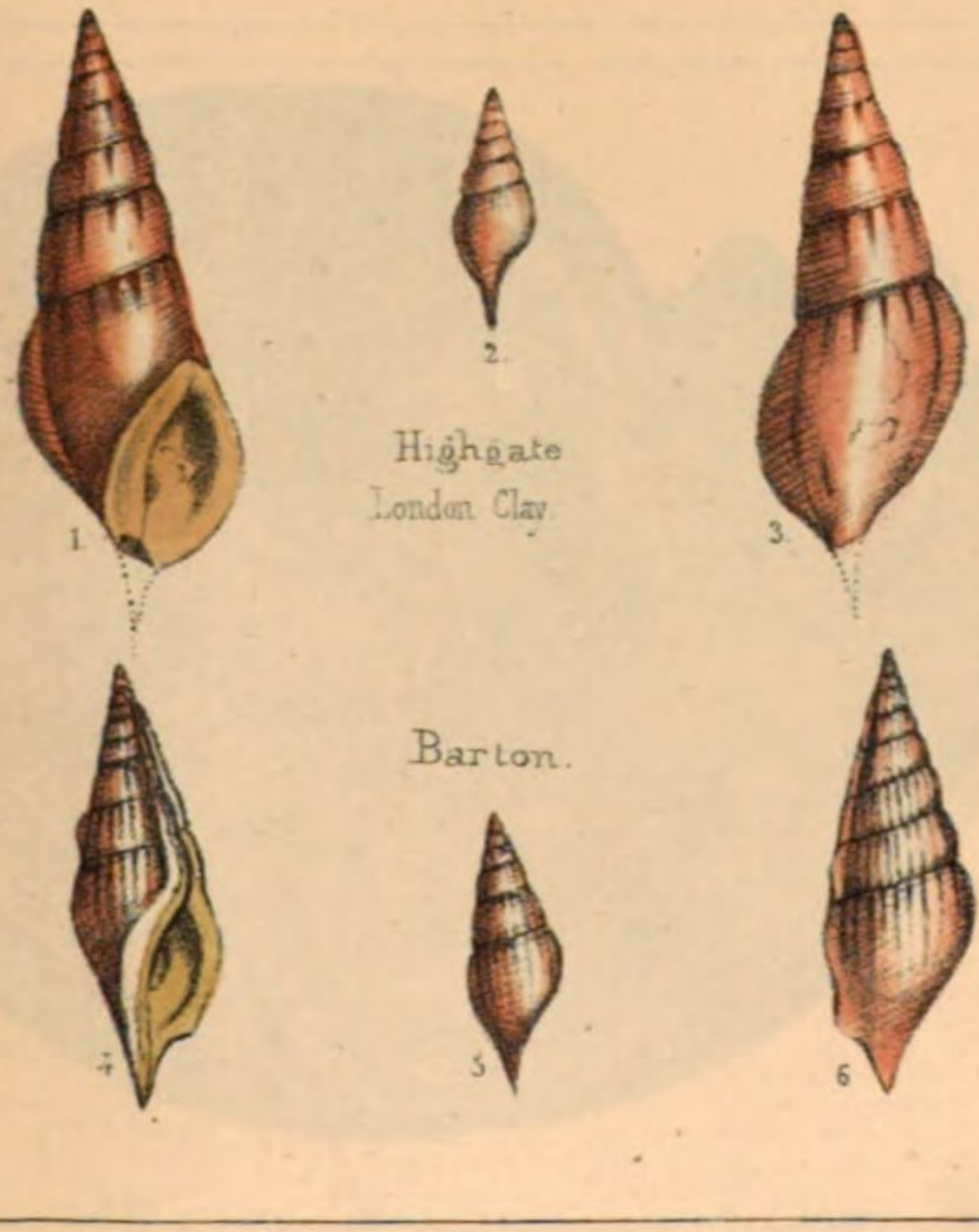


Gr. Ool. Swanswick

Tab. 88. Trigonia dædalea Park.
T. 89. Fig. 1 Cardita striata Sow. Fig 2. Card. abrupta Sow.

90.

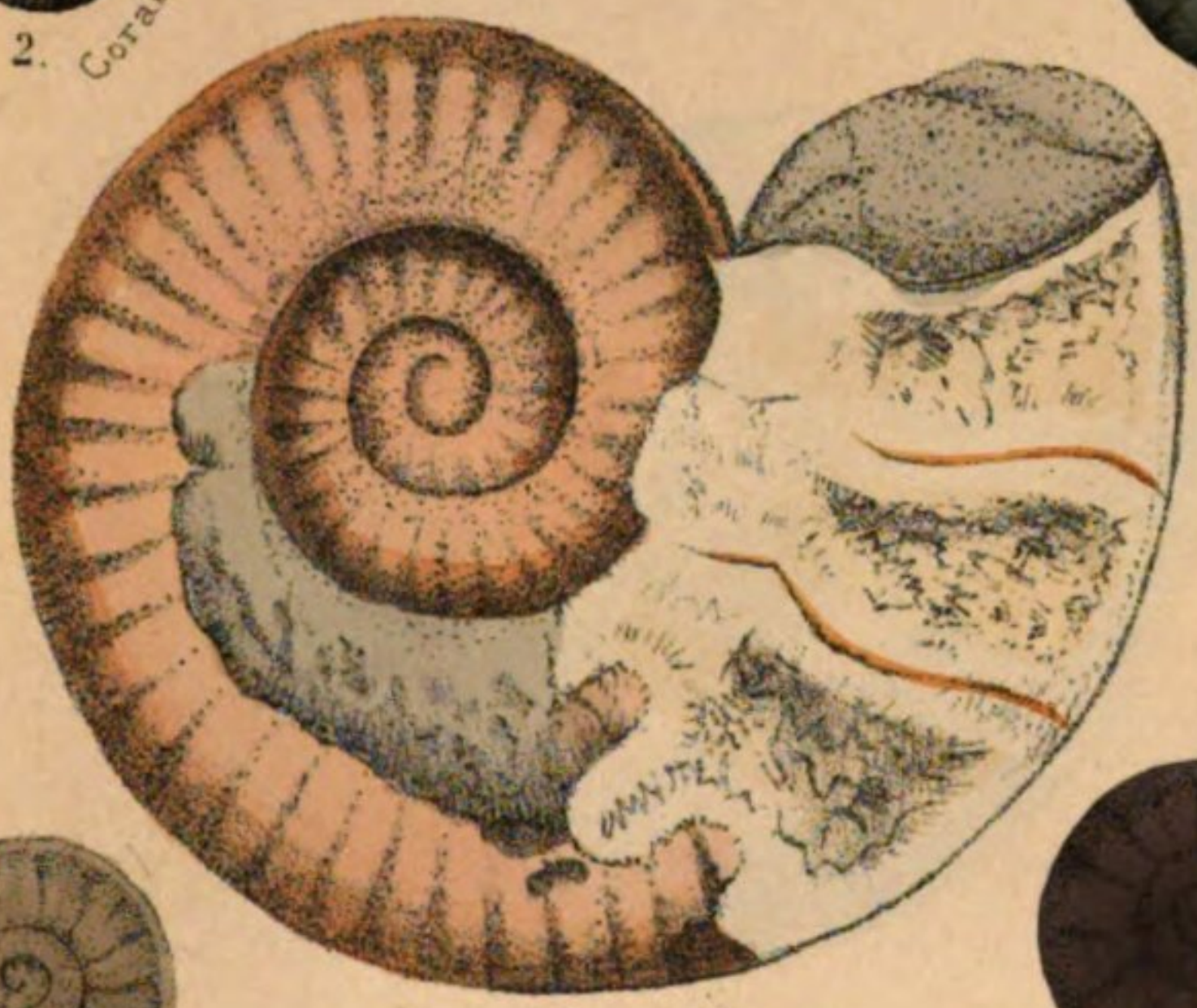
91.



Tab. 90. Fig. 1-5. Terebratula biplicata Sow.
Tab. 91. Fig. 1-3 Rostellaria lucida Sow.- Fig. 4-6. Rost. rimosa Sow.

92.

2. Coral-rag.



1.
Inf. Oolite

3. Greensand.

4 Charmouth.

5. Scarborough.

93.

1.

Tab 93. Ammonites stellaris Sow.

Tab 92. Fig. 1. Ammonites jugosus Sow. - Fig. 2. Am. triplicatus Sow. - Fig. 3. Am. binus Sow.
Fig. 4. Am. ellipticus Sow. - Fig. 5. Am. nodosus Sow.

94

Ilminster

1.

Ilminster

2.

Tab. 94. Fig. 1. Ammonites elegans Sow. – Fig. 2. Am. concavus Sow.

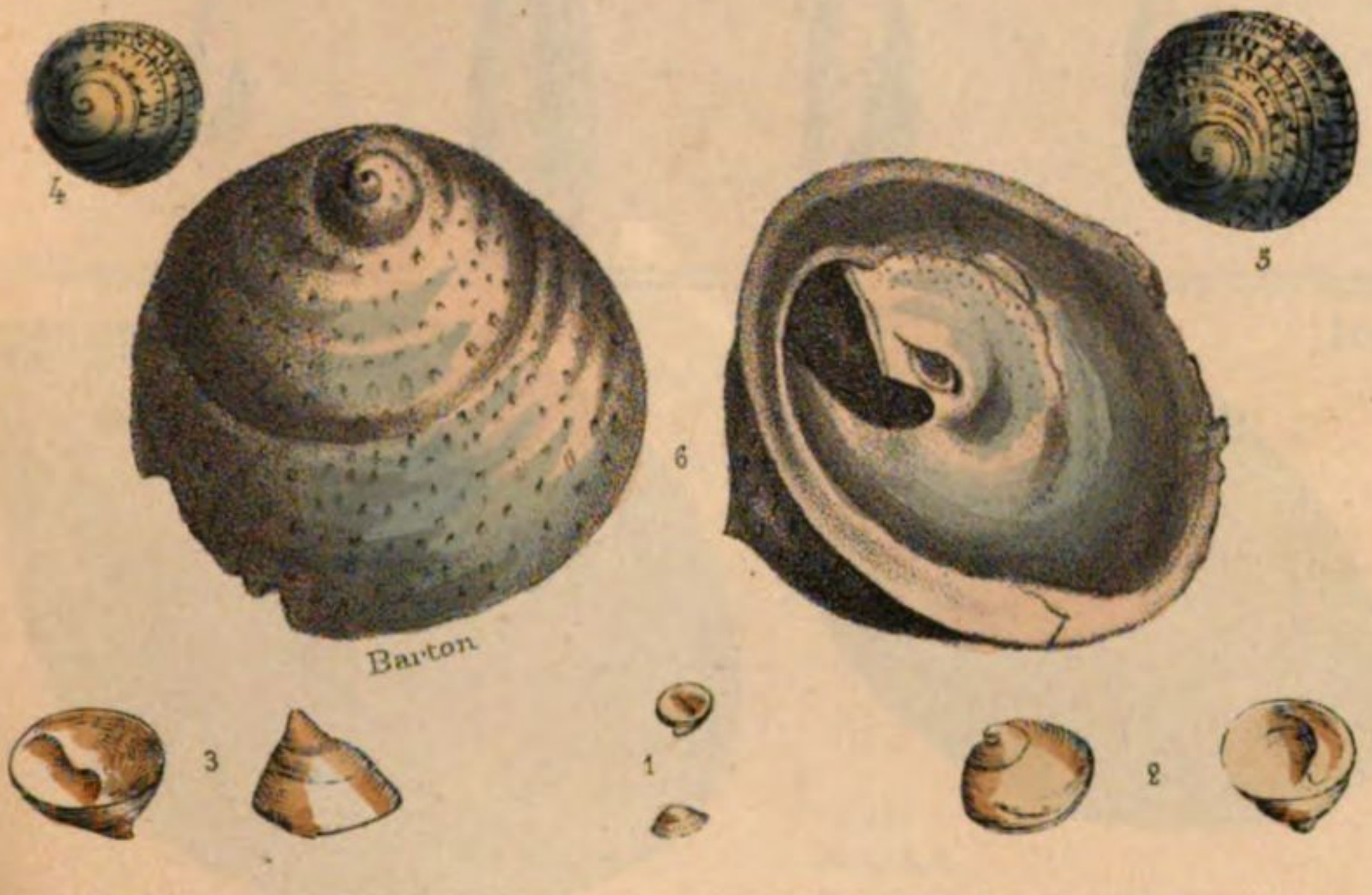
68.

95.

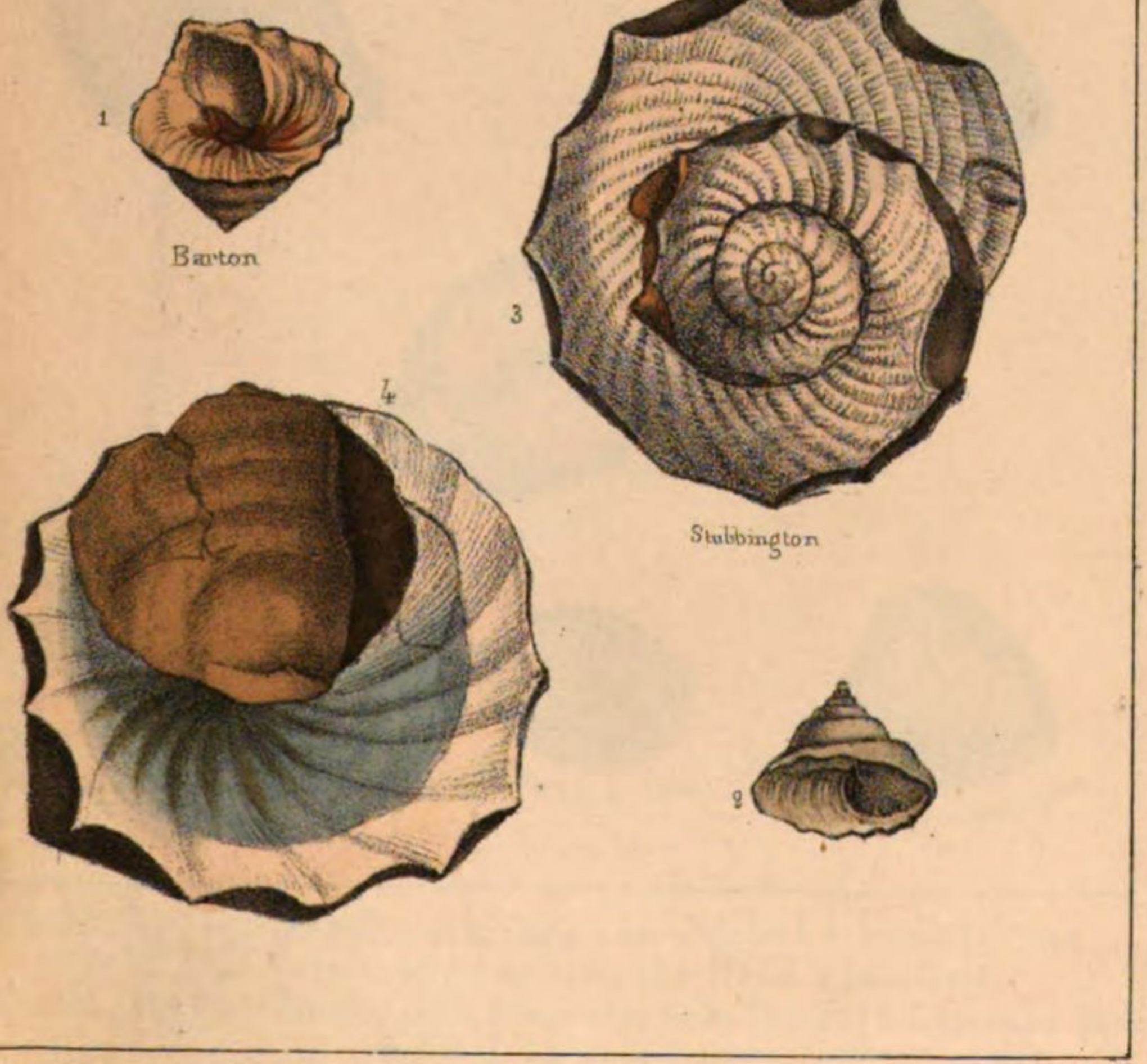
96.

Tab. 95. Ammonites armatus Sow. Tab. 96. Terebratula digona Sow.

97



98



Tab. 79. Fig. 1. Infondibulum (Calyptroæ) obliquum Sow. – Fig. 2. Inf. echinulatum Sow. Fig. 3. Inf. rectum Sow. – Fig. 4. 5. Inf. tuberculatum Sow. – Fig. 6. Inf. spinulosum Sow.
Tab. 98. Fig. 1. 2. Trochus agglutinans Link. – Fig. 3. 4. Trochus benettiæ Sow.

99.

London-Clay.

1

3

4

Barton-Cliff

2.

100.

2.

1

Gravel
Gisleham

101.

1

3

Bedford-Limestone.

4.

Marston-Marble

2

5.

Pickeridge Hill

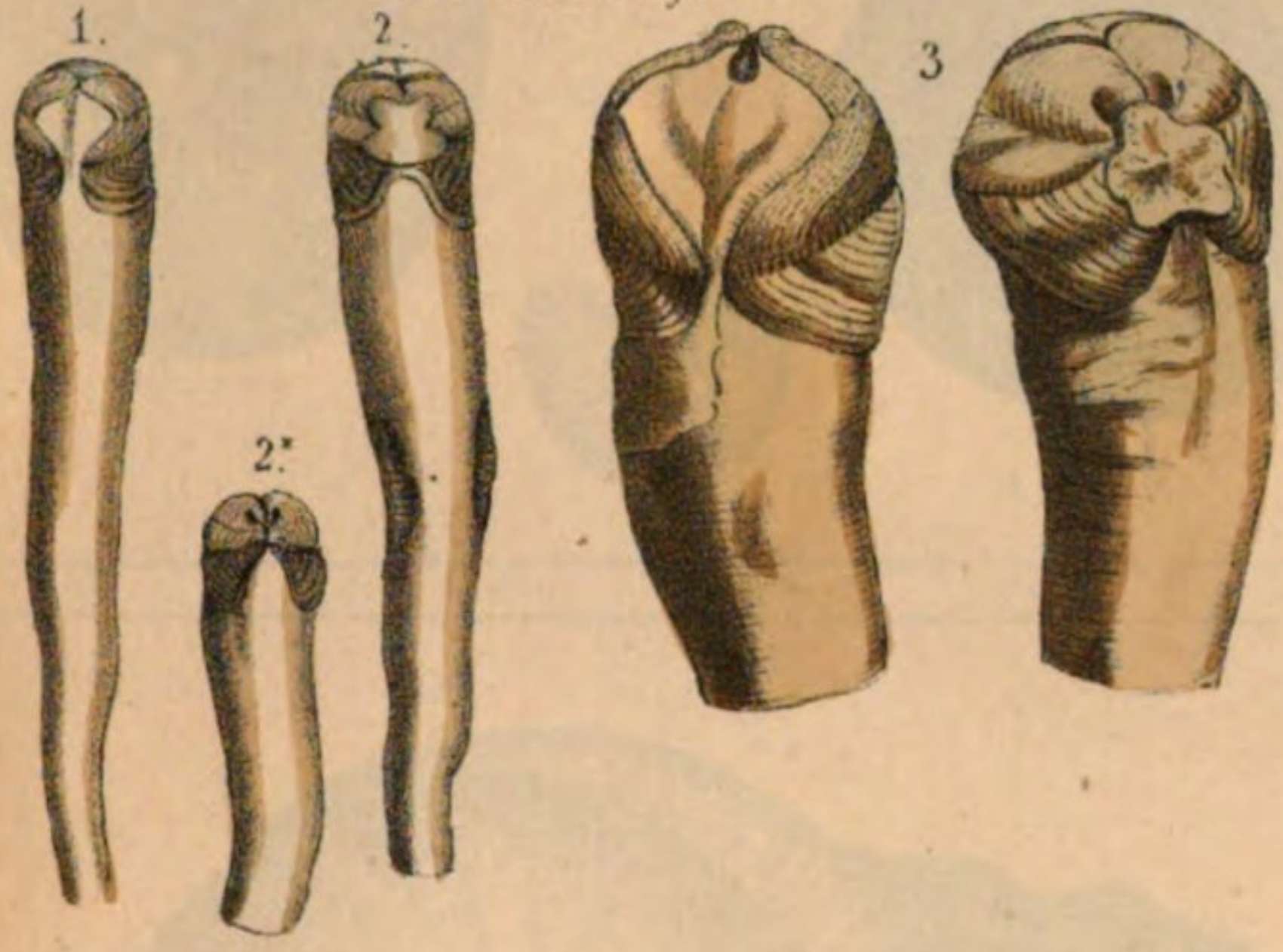
6

Bedford-Limestone.

Tab. 99. Fig. 1 et 2. Ancilla aveniformis Sow. Fig. 3 et 4. A. turritella Sow.
Tab. 100. Fig. 1. Terebratula ovoides Sow. Fig. 2. T. lata Sow.
Tab. 101. Fig. 1. 2. 5. Terebratula ornithocephala Sow. Fig. 4. T. lampas Sow.
Fig. 5. T. obovata Sow.

102

London-Clay.



Teredo antenautae Sow.

103.

2.

Tolkstone

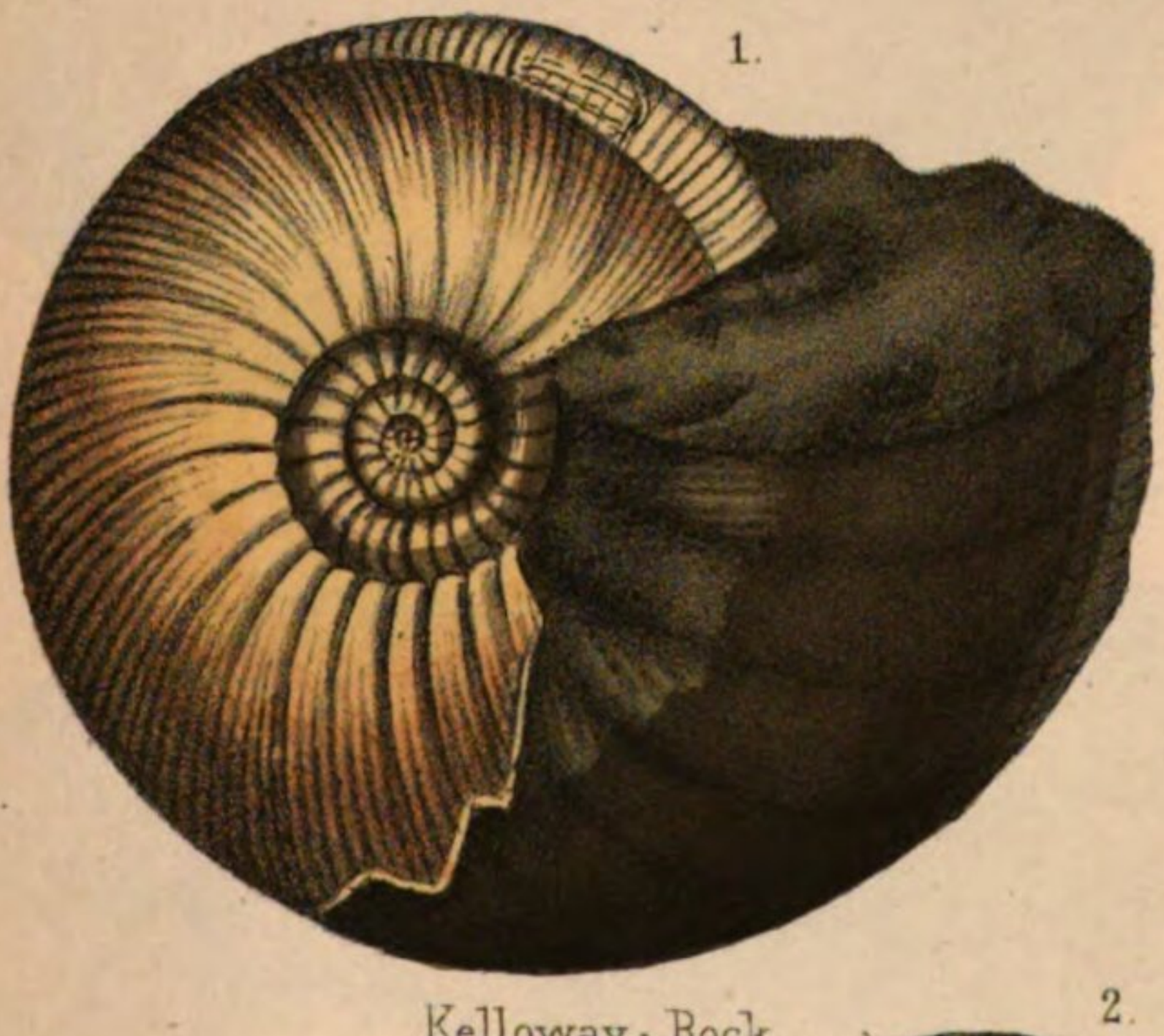
Coral-rag.

1

3.

104

1.



Kelloway-Rock

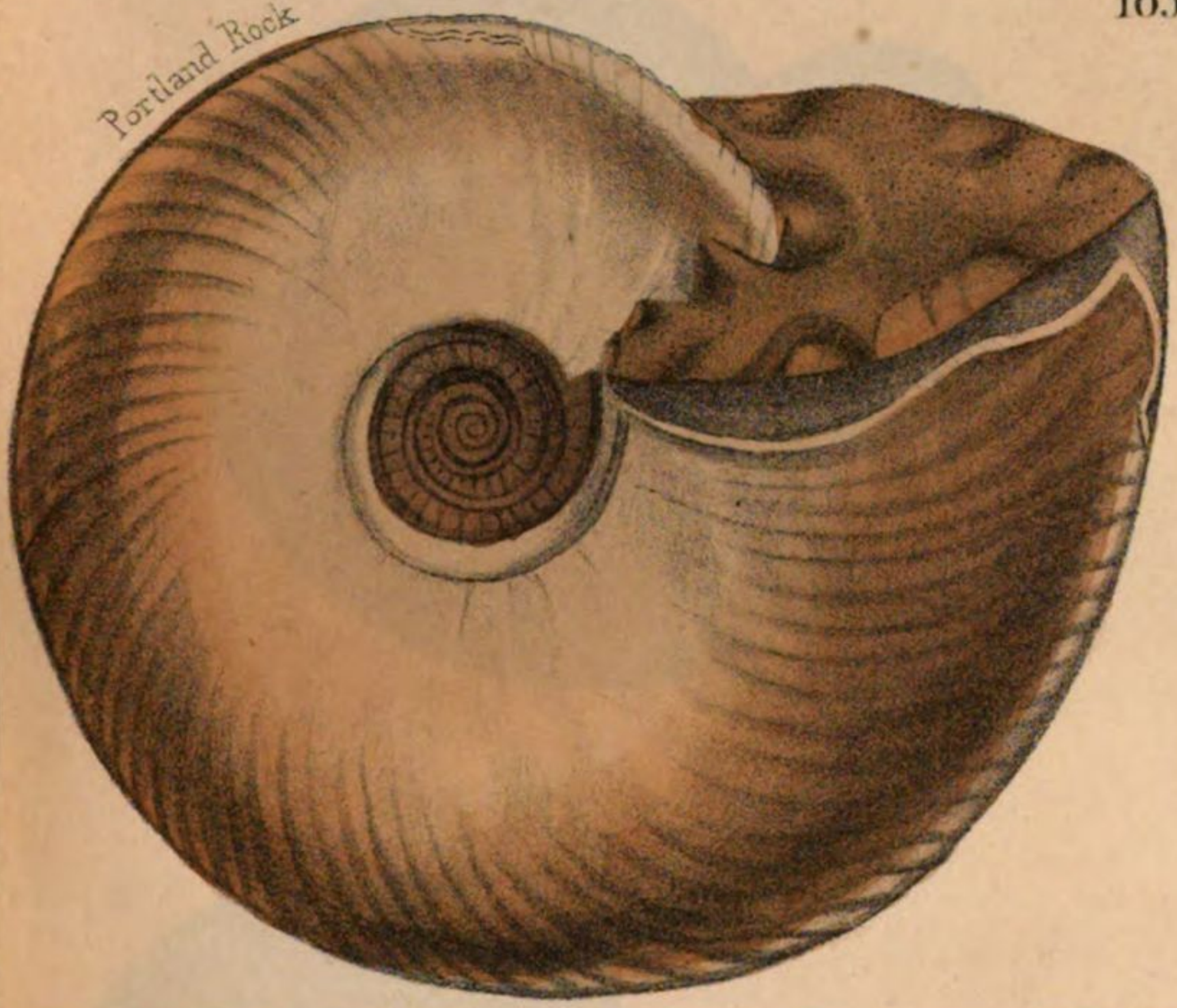
2.

3.

Tab. 103. Ammonites splendens Sow.
Tab 104. Ammonites Calloviensis Sow.

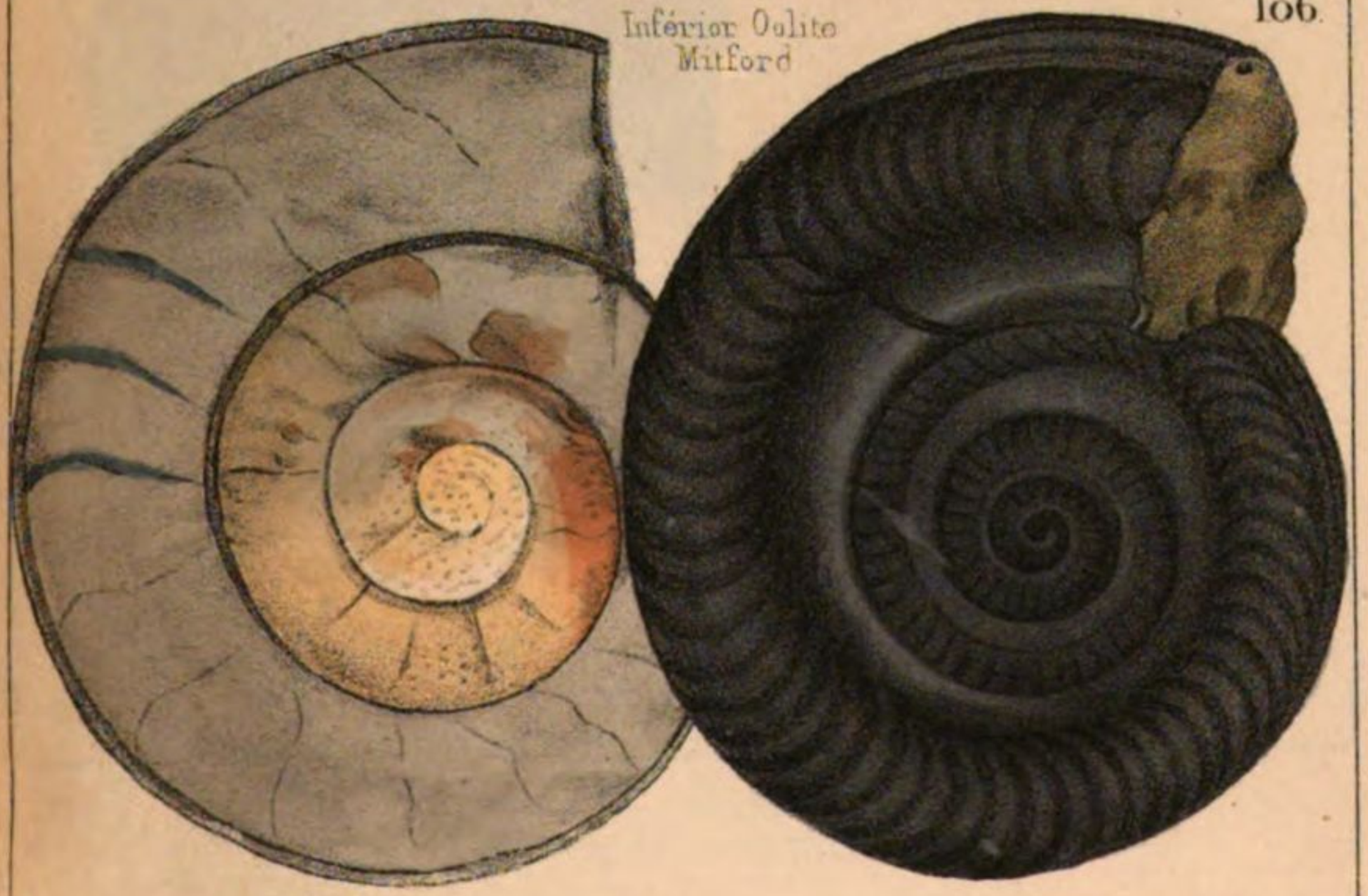
105.

Portland Rock



106.

Inférior Oolite
Mitford



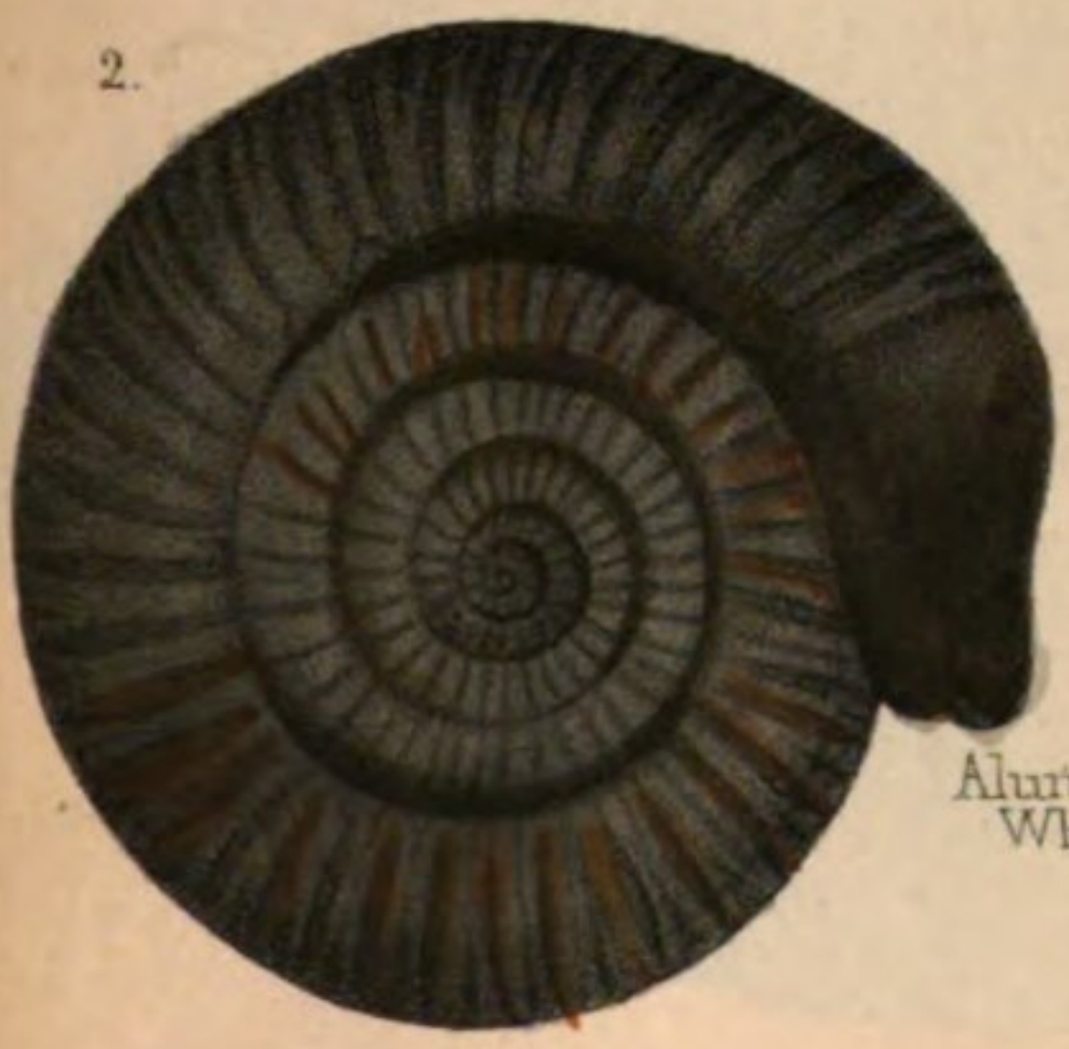
Tab. 105. Ammonites excavatus Sow.
Tab. 106 Ammonites Walcotii Sow.

107.

1.

Alum-Shale. Whitby.

2.



3.

Alum Shale
Whitby.

Fig 1. Ammonites angulatus Sow
Fig 2.3. Ammonites communis Sow

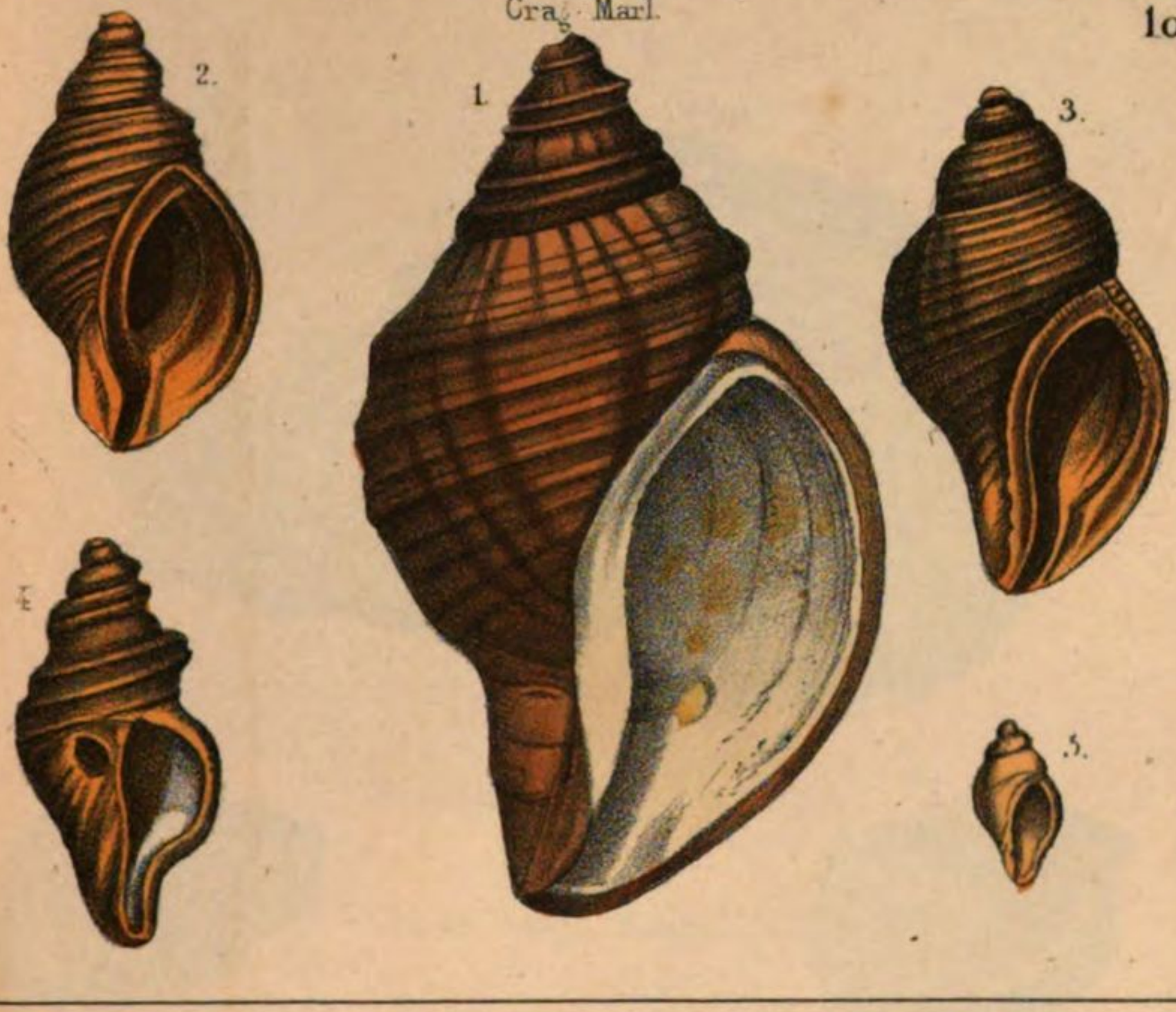
108.

Greensand

Ammonites Nutfieldiensis Sow.

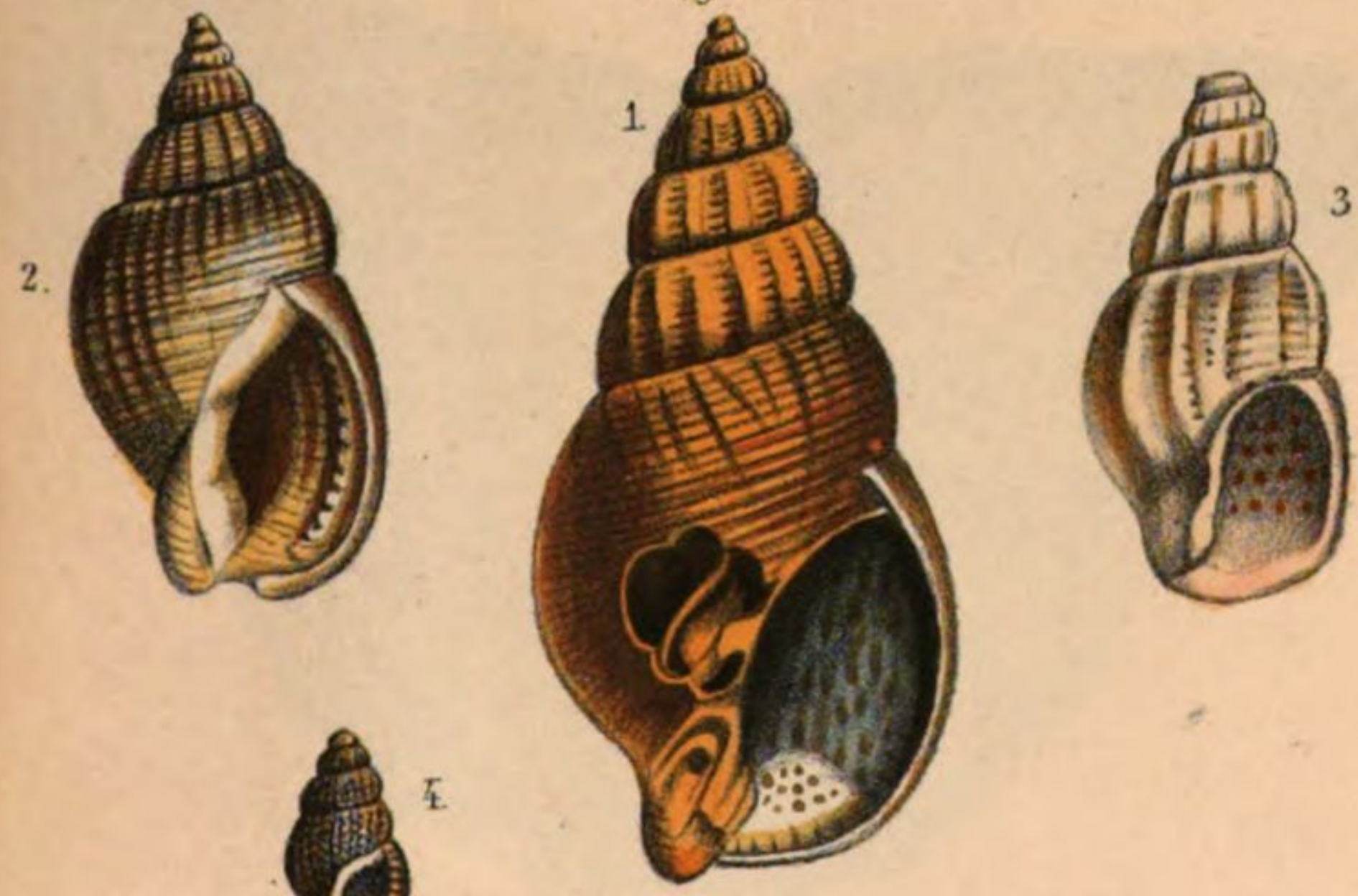
Crag. Marl.

109



Crag. Marl.

110.



Tab. 109. Murex striatus Sow.
Tab. 110. Fig. 1. Buccinum elongatum Sow.
Fig. 2. B. reticosum Sow. Fig. 3. B. rugosum Sow.
Fig. 4. B. granulatum Sow.

III.

1. Devizes

Greensand

3.

Clunch- Clay . MarstonField

4.

Coral. rag.

2.

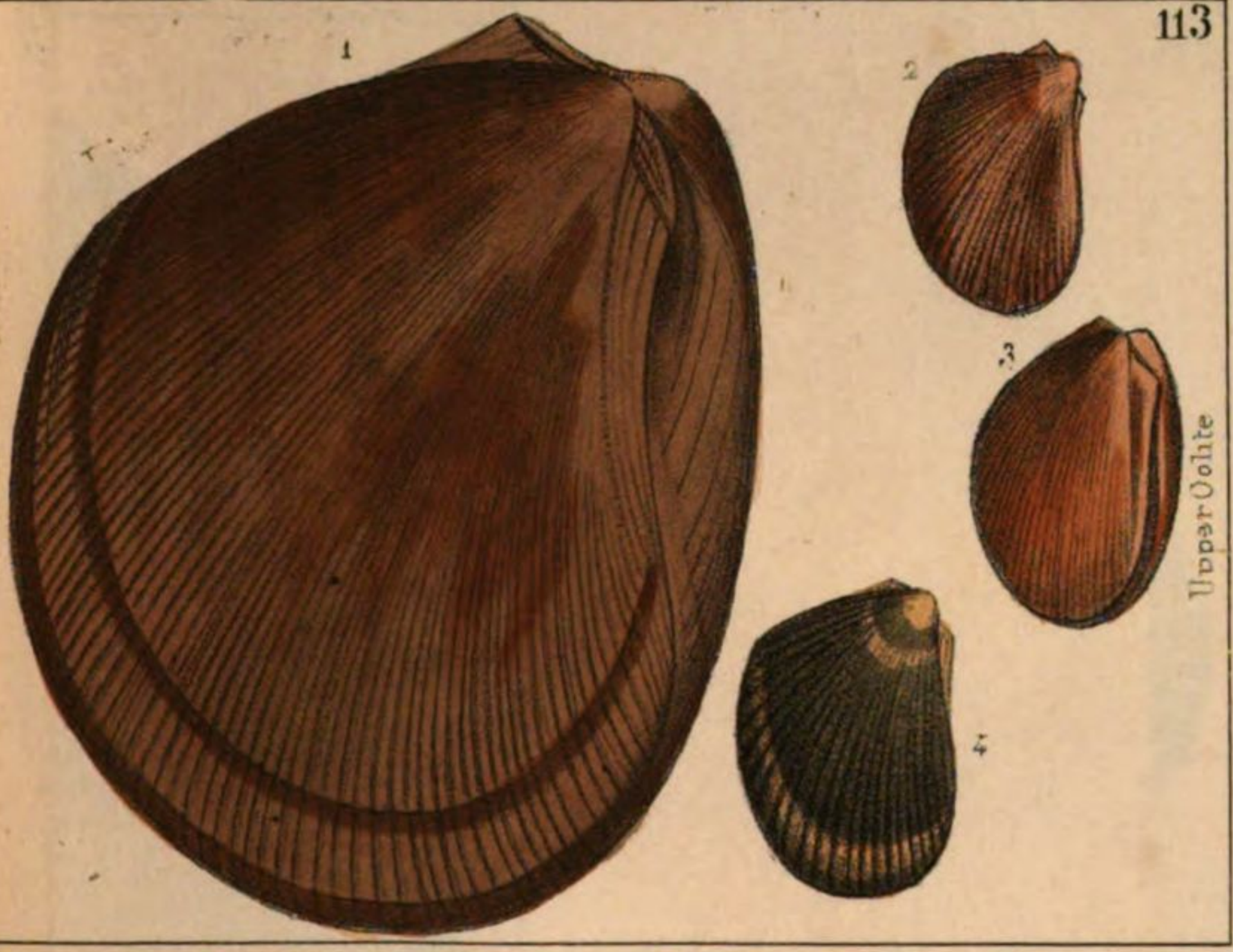
Fig. 1 et 2. Ostrea gregarea Sow.
Fig. 3 et 4. O. palmetta Sow.

Lias.

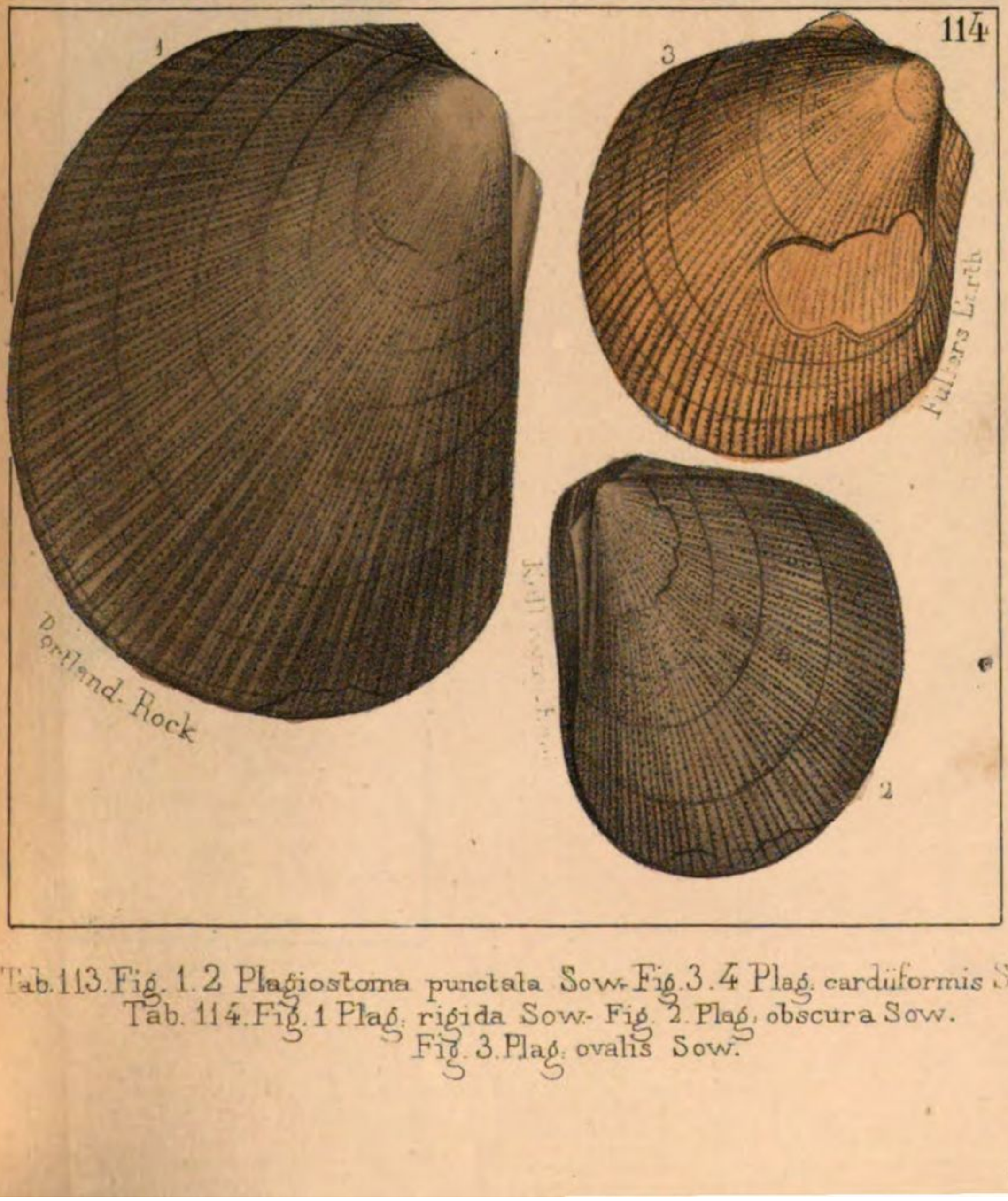
112

Fig 1-2 Gryphæa incurva Sow.- Fig 3 Gryphæa obliquata Sow.-

113



114



Tab. 113. Fig. 1. 2 Plagiostoma punctata Sow. Fig. 3. 4 Plag. cardiiformis Sow.
Tab. 114. Fig. 1 Plag. rigida Sow. Fig. 2. Plag. obscura Sow.
Fig. 3. Plag. ovalis Sow.

80

116

81

117

118

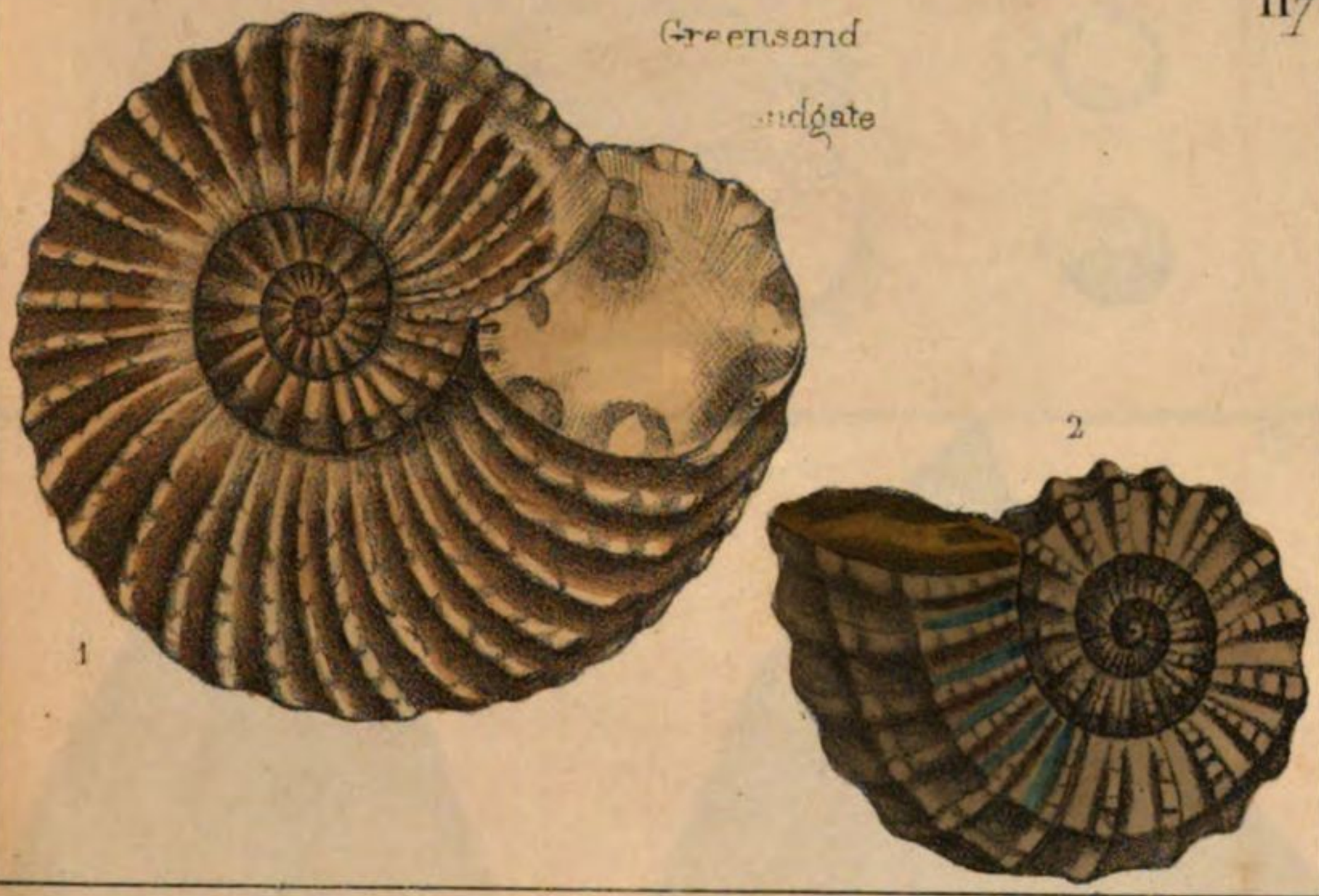
Fig. 1

ilis. Sow

117

Greensand

Ludgate



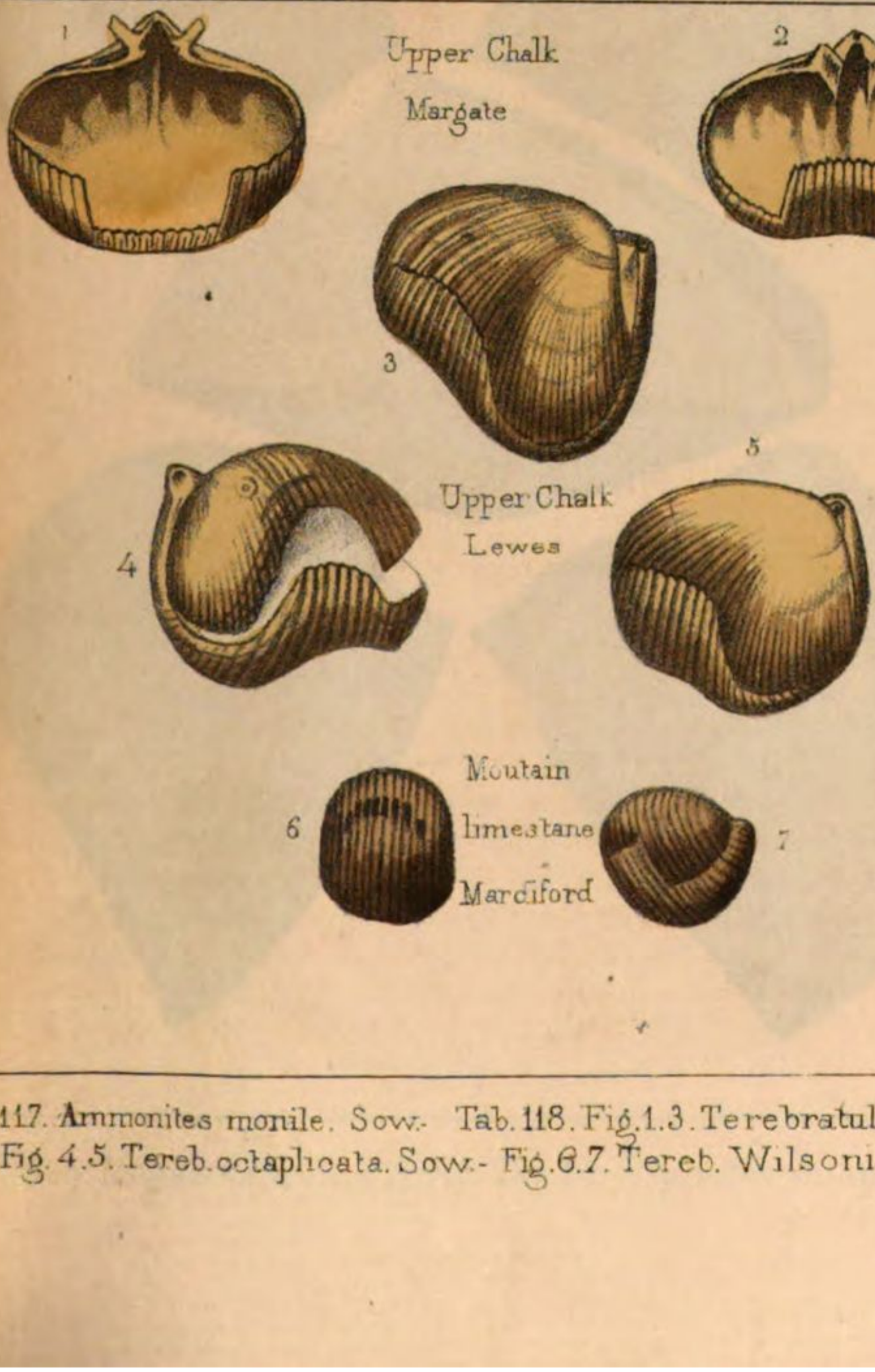
1

2

118

Upper Chalk

Margate



1

2

3

4

5

Upper Chalk

Lewes

Moutain

limestone

Mardiford

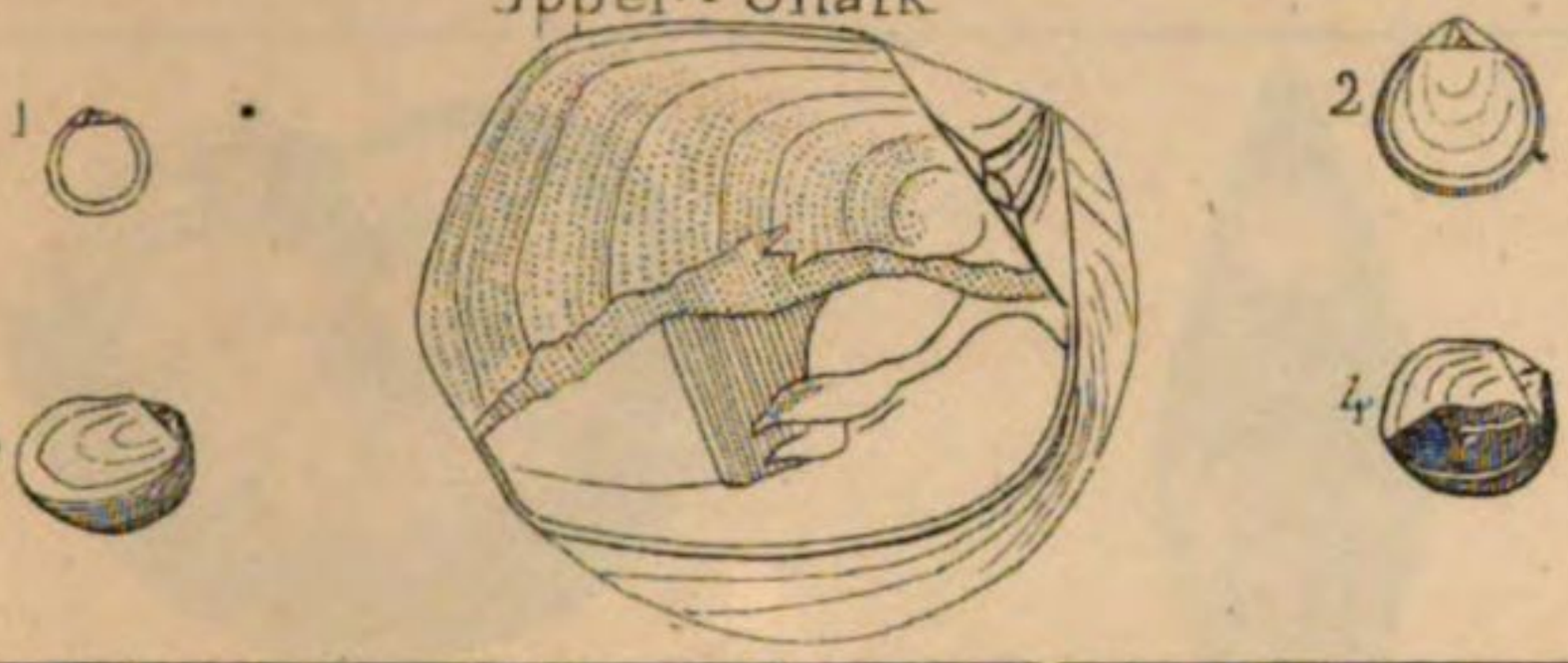
6

7

Tab. 117. Ammonites monile. Sow.- Tab. 118. Fig. 1.3. Terebratula plicatilis. Sow
Fig. 4.5. Tereb. octaplicata. Sow.- Fig. 6.7. Tereb. Wilsoni. Sow.

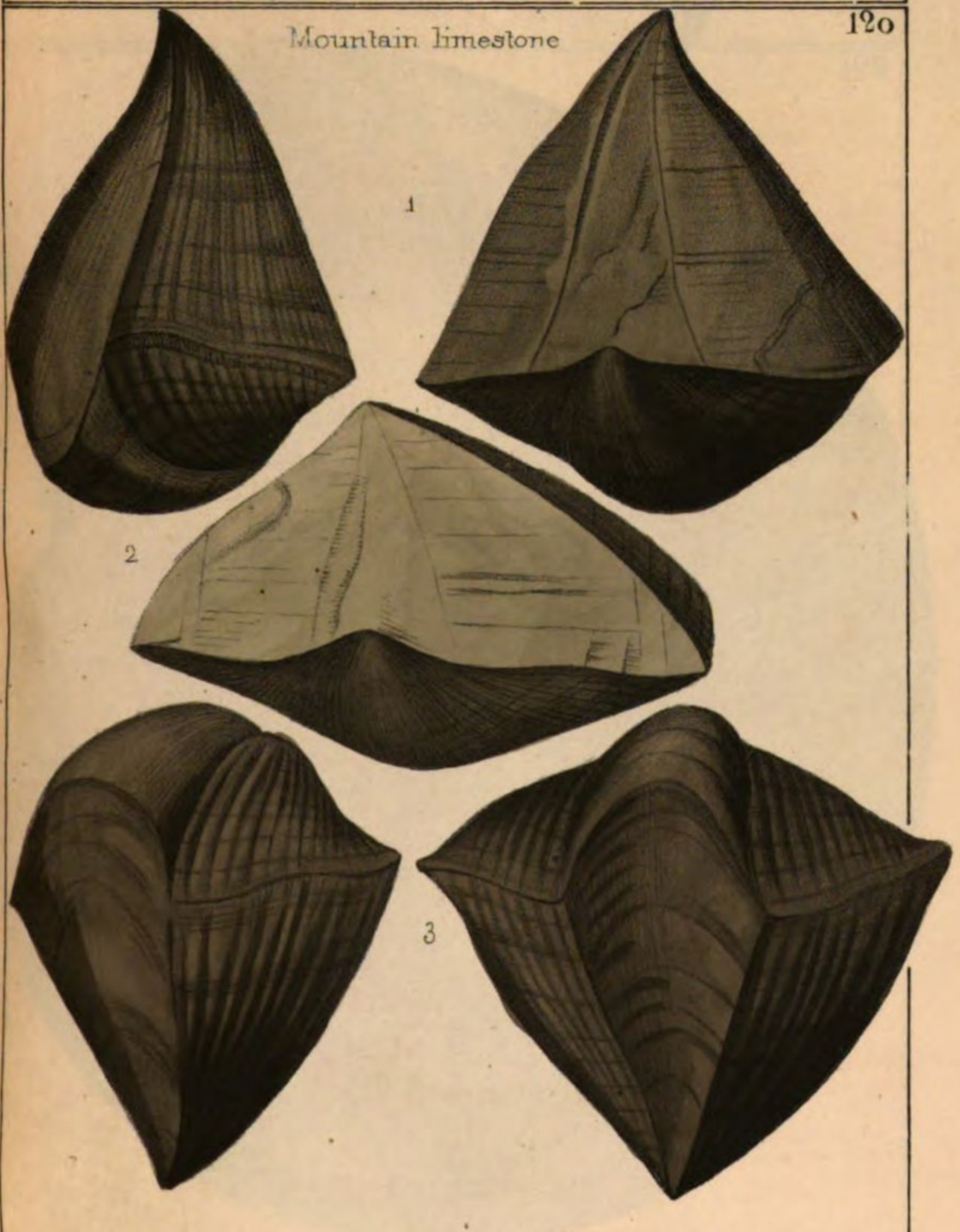
119

Upper - Chalk



120

Mountain limestone



Tab 119. Magas pumilus. Sow.- Tab. 120 Spirifer cuspidatus. Sow.-

121

Chalkmarle

Earl Stoke

122

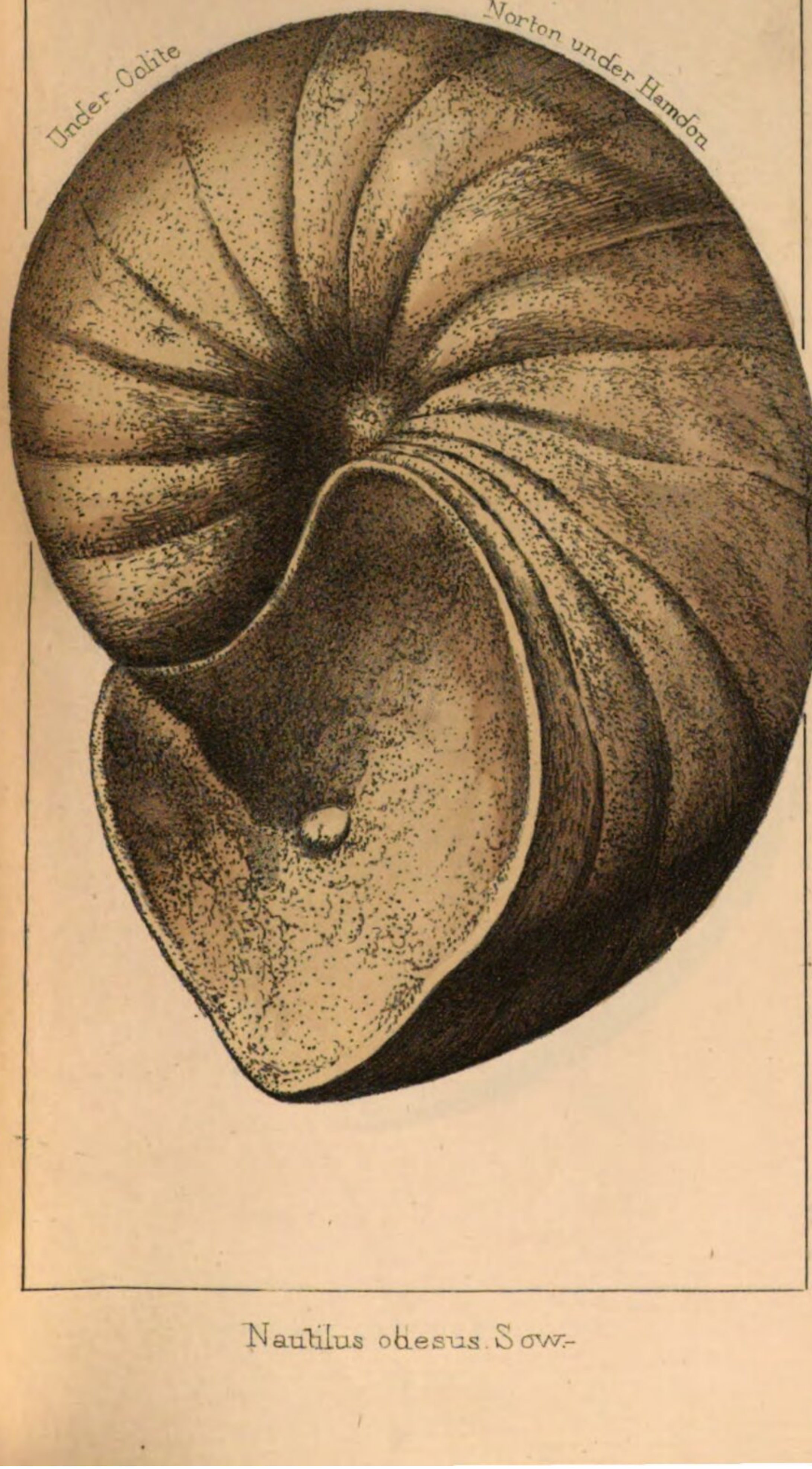
Greensand

Boreham

Tab. 121. Nautilus Comploni. Sow.
Tab. 122. Nautilus simple. Sow.

123

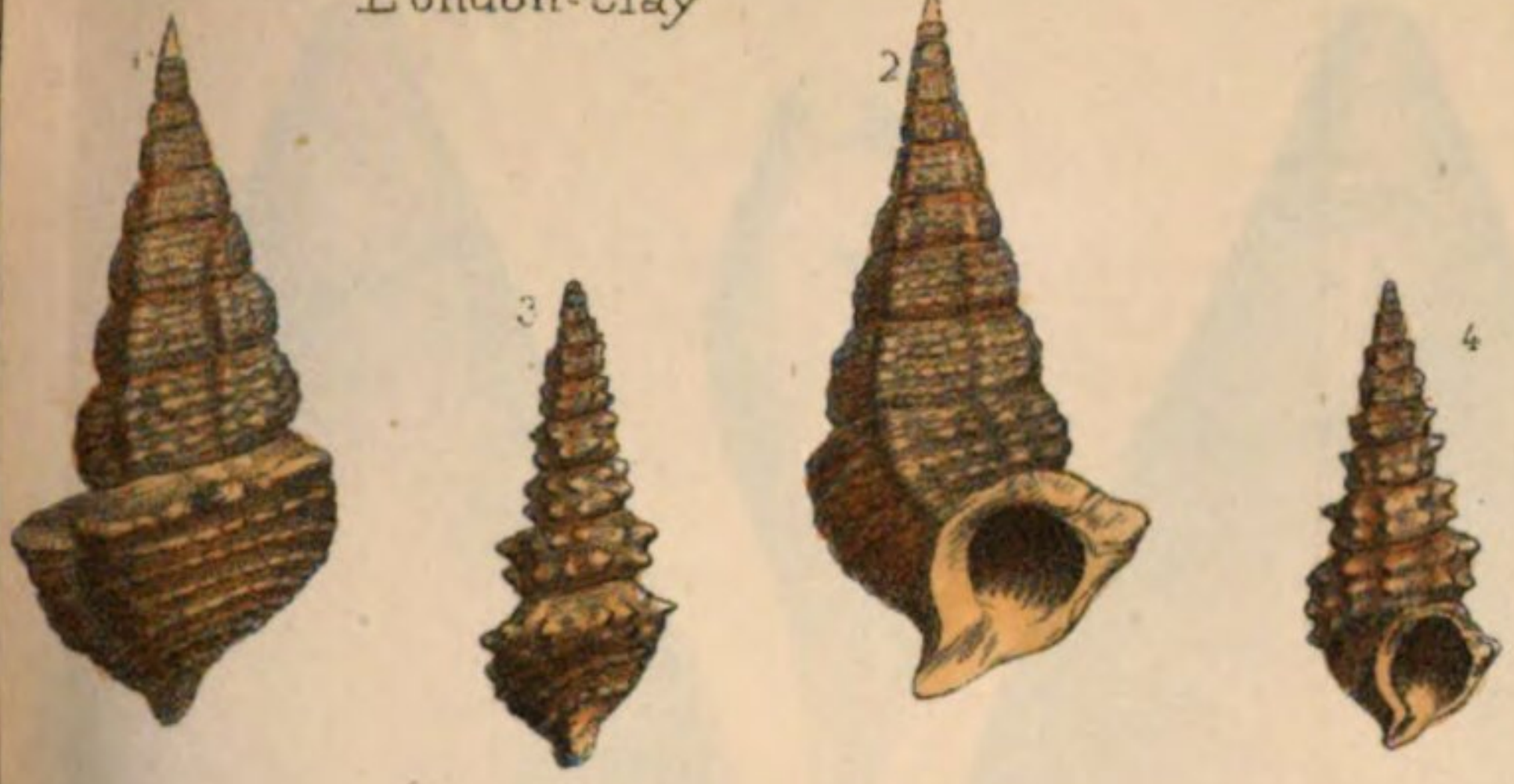
Nautilus truncatus. Sow.



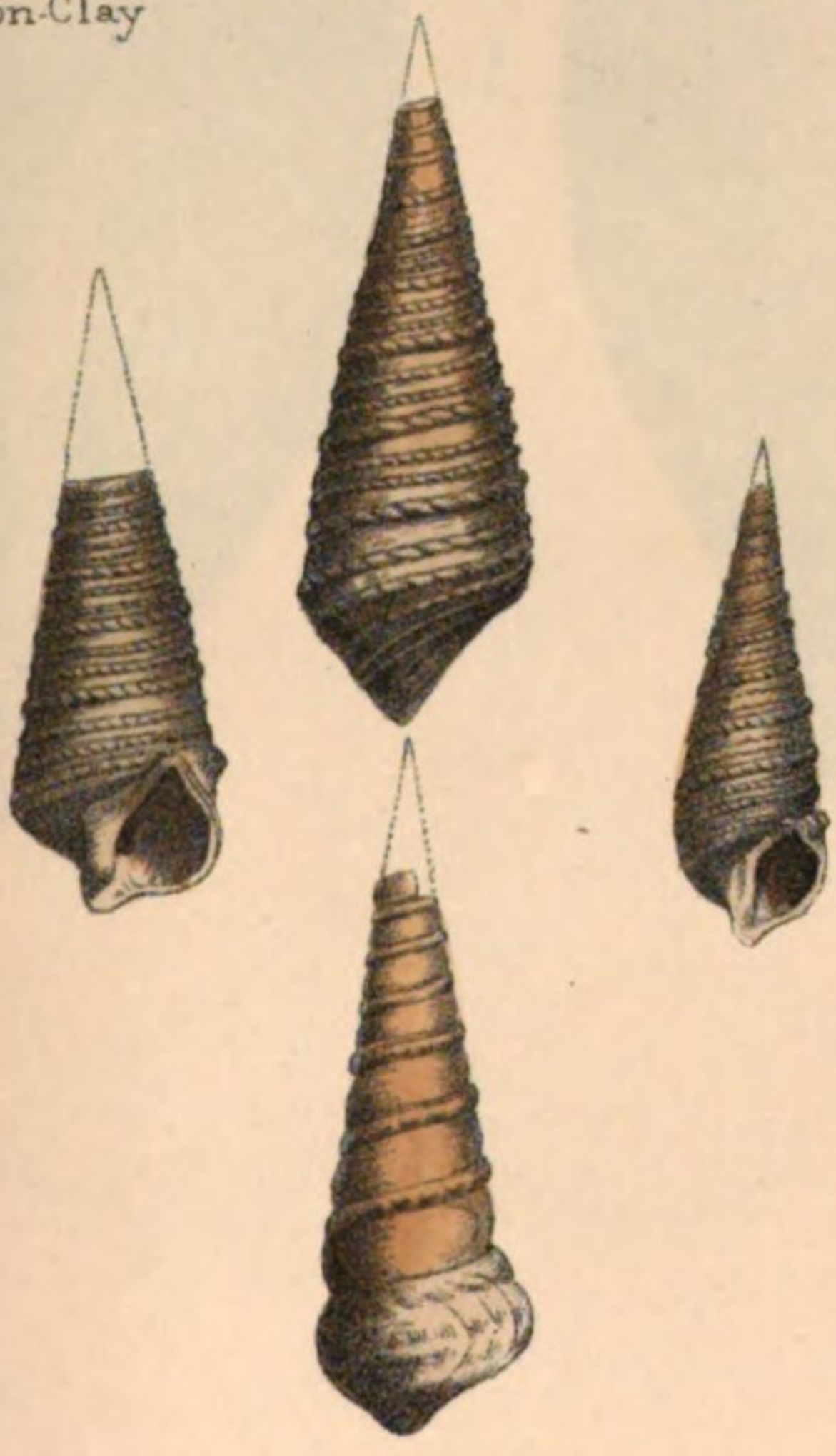
Nautilus obesus. Sow.

Nautilus intermedius. Sow.

London-Clay



London-Clay



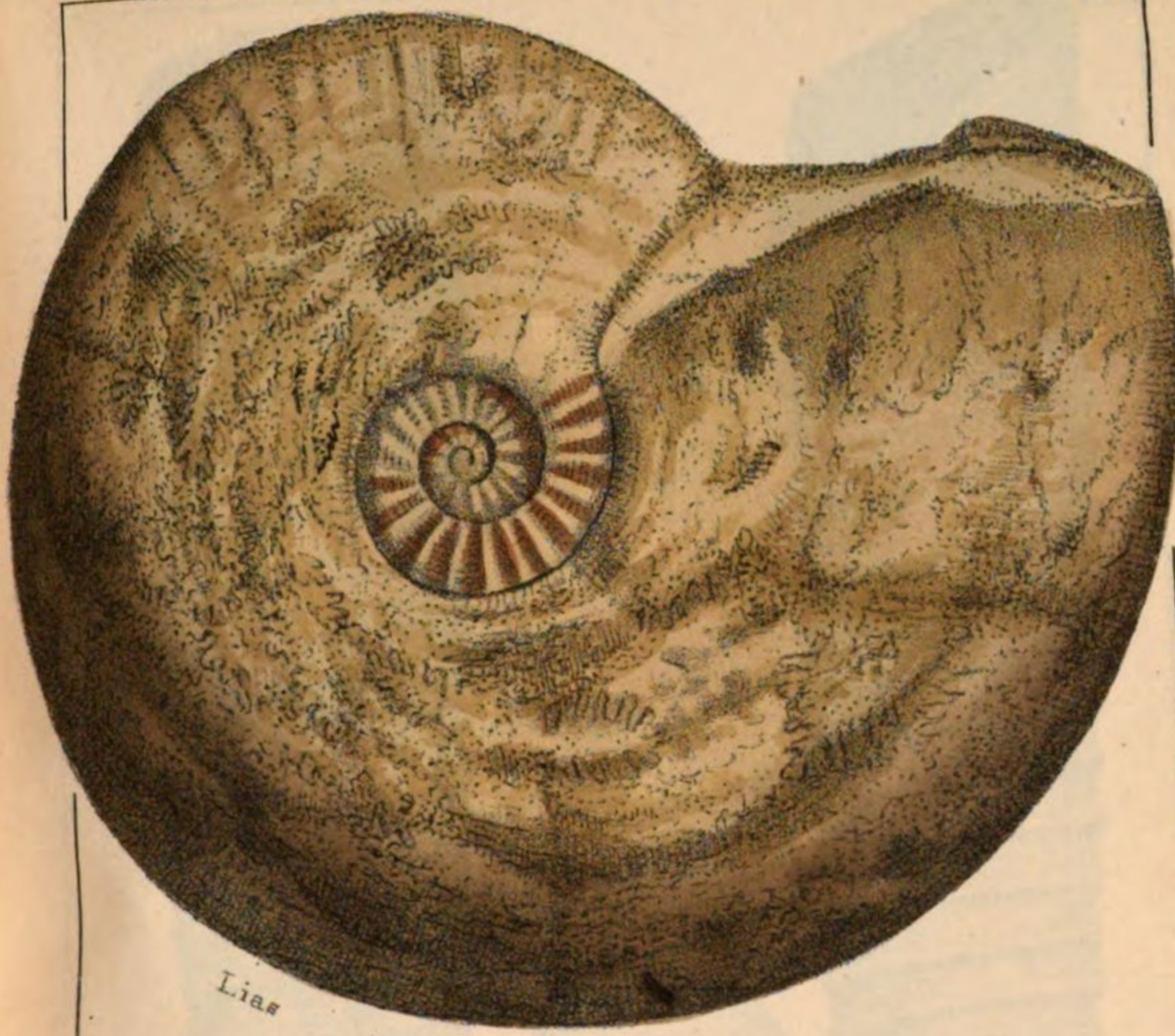
Tab 127. Fig 1 2. Cerithium pyramidale. Sow.- Fig 3.4. Cerith geminatum. Sow
Cerithium funatum. Sow.-

Voluta Lamberti. Sow.

Ammonites. Bucklandi. Sow.

131

Ammonites Conybeari. Sow.

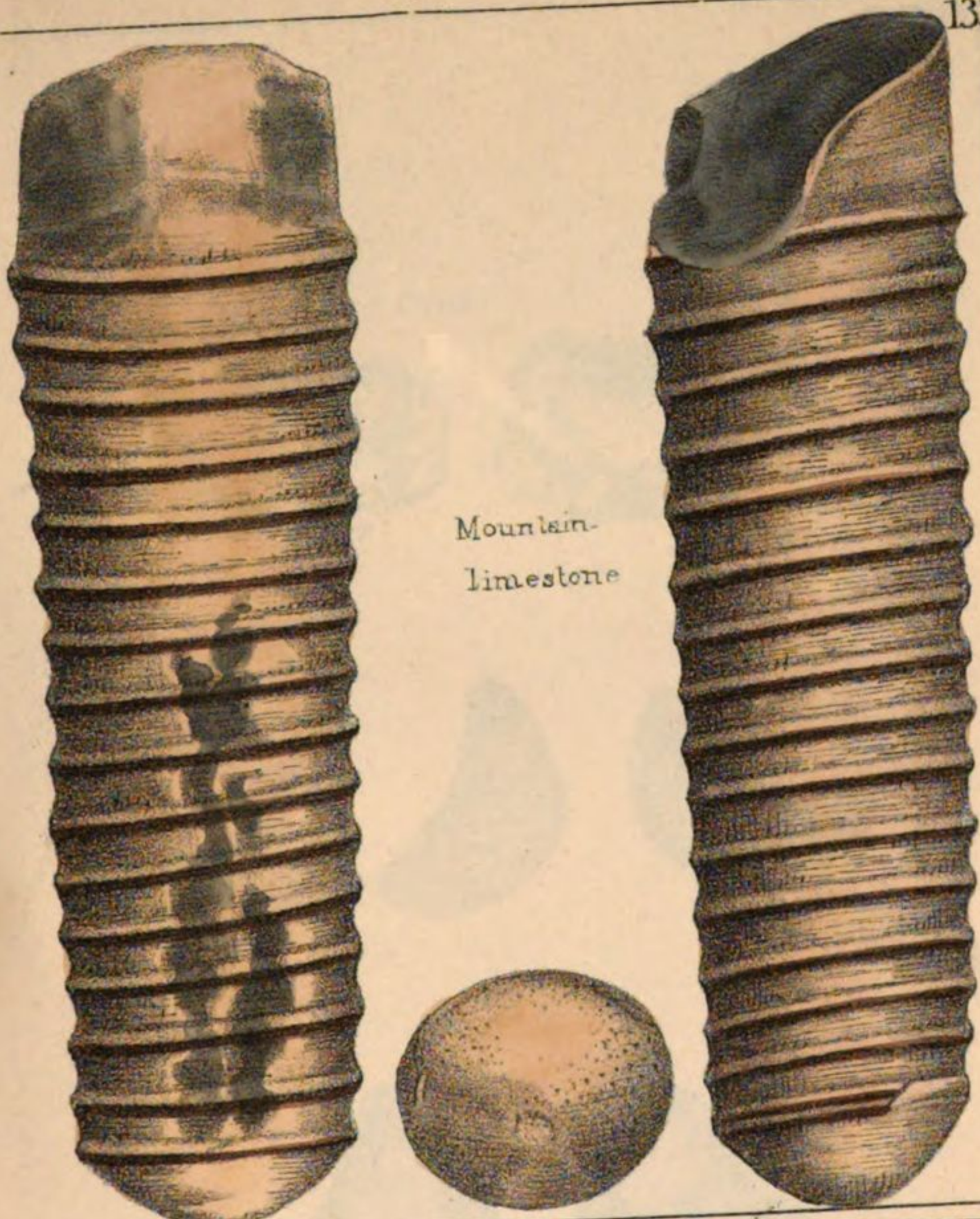


Lias

Ammonites Greenoughi. Sow.

93.

133.



Mountain-
limestone

134

Greensand

Tab.133 Orthocera annulata. Sow.- Tab. 134. Ammonites auritus. Sow

2

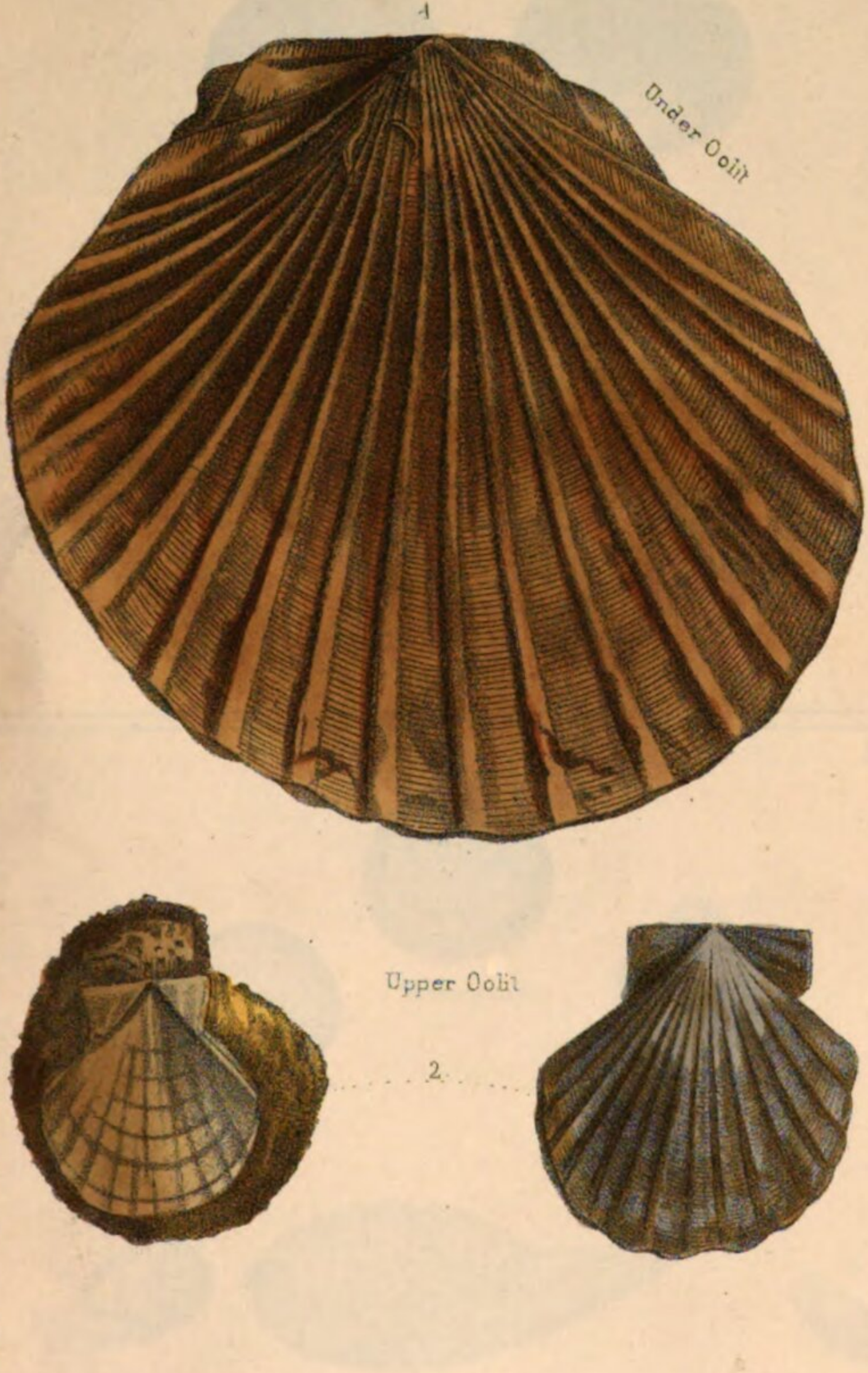
Chalk

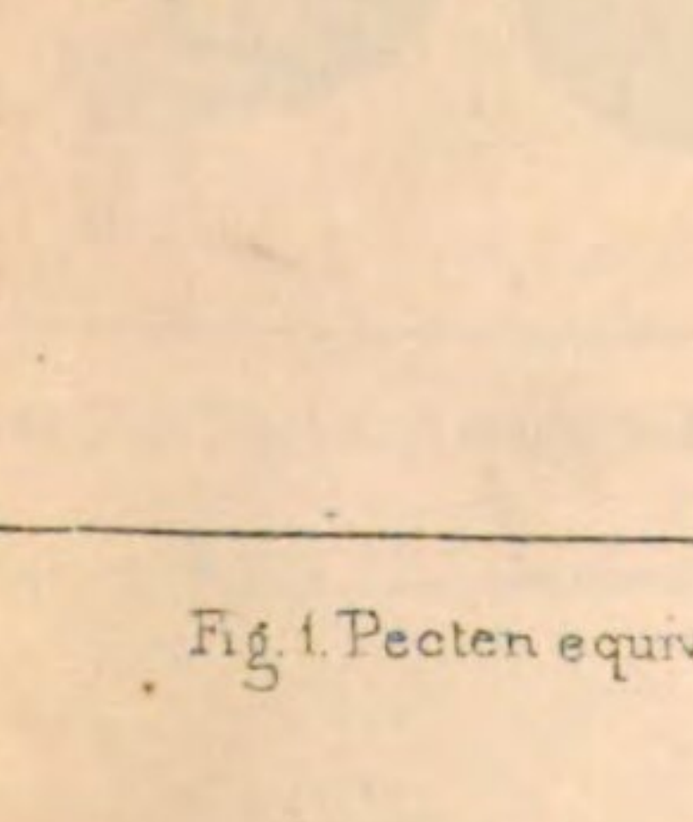
3

4

Fuller's earth

Fig. 12. Ostrea canaliculata. Sow.- Fig. 3. 4. Ost. acuminata Sow





Upper Oolit

2

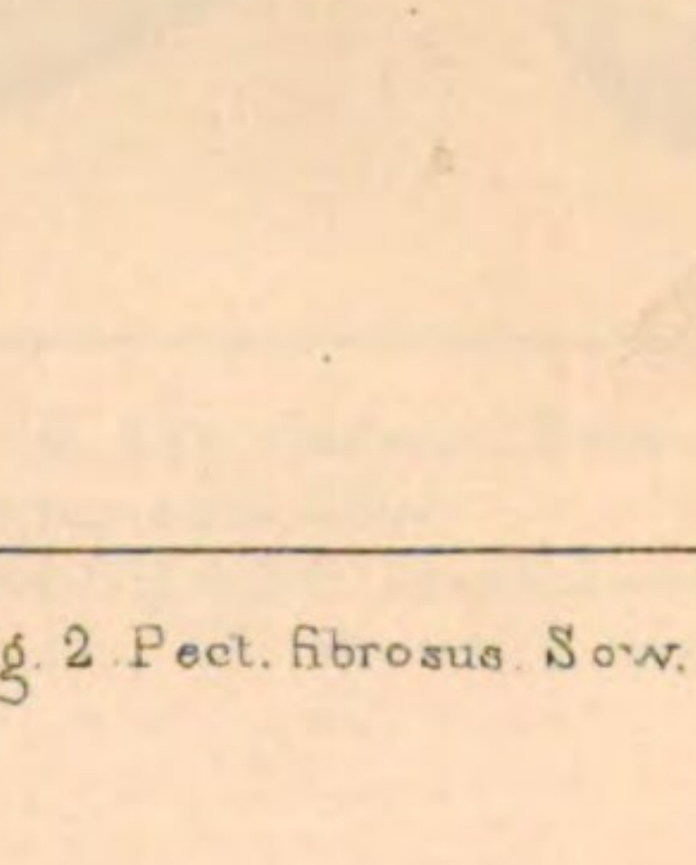
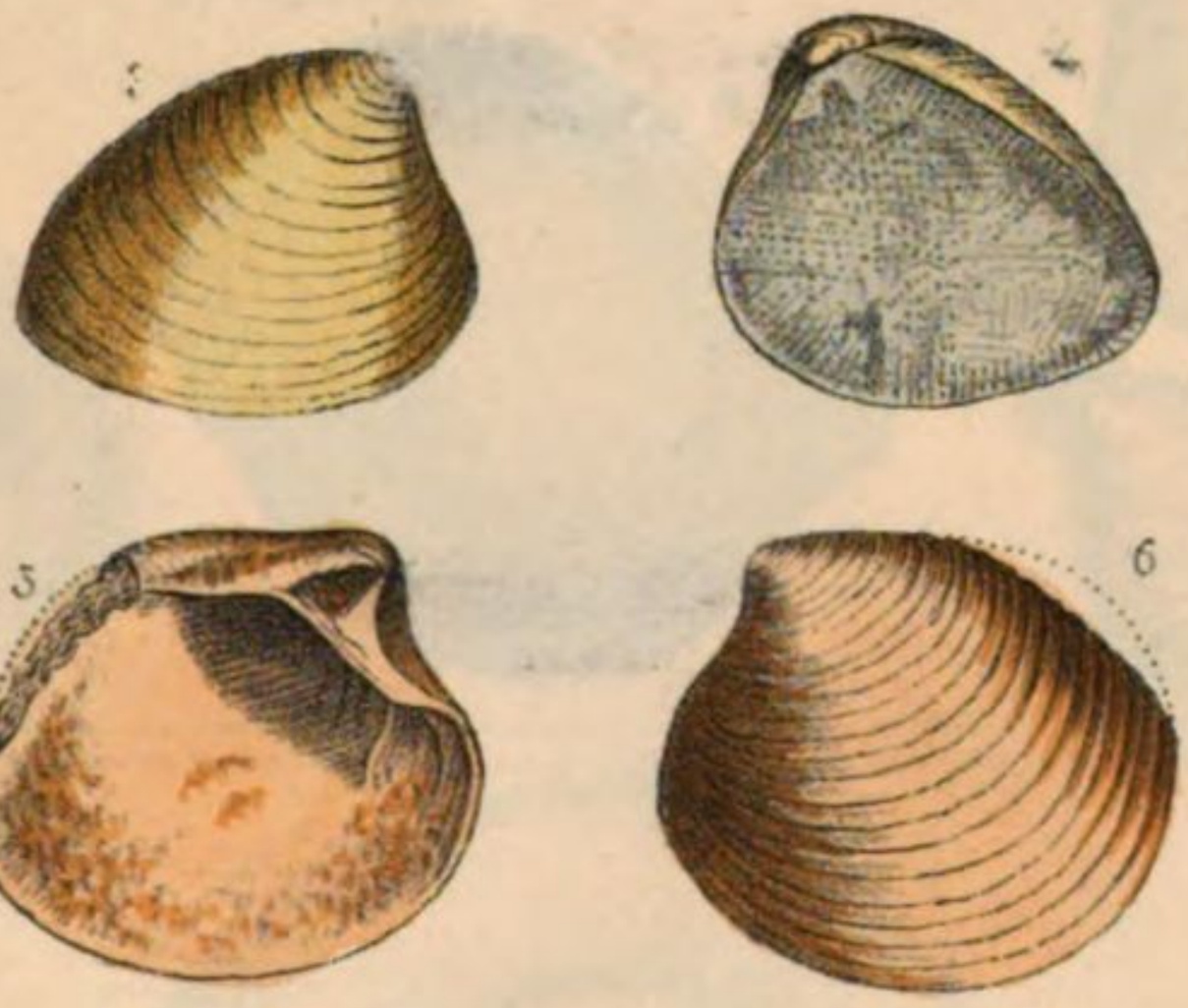


Fig. 1. Pecten equivalvis. Sow. Fig. 2. Pect. fibrosus. Sow.

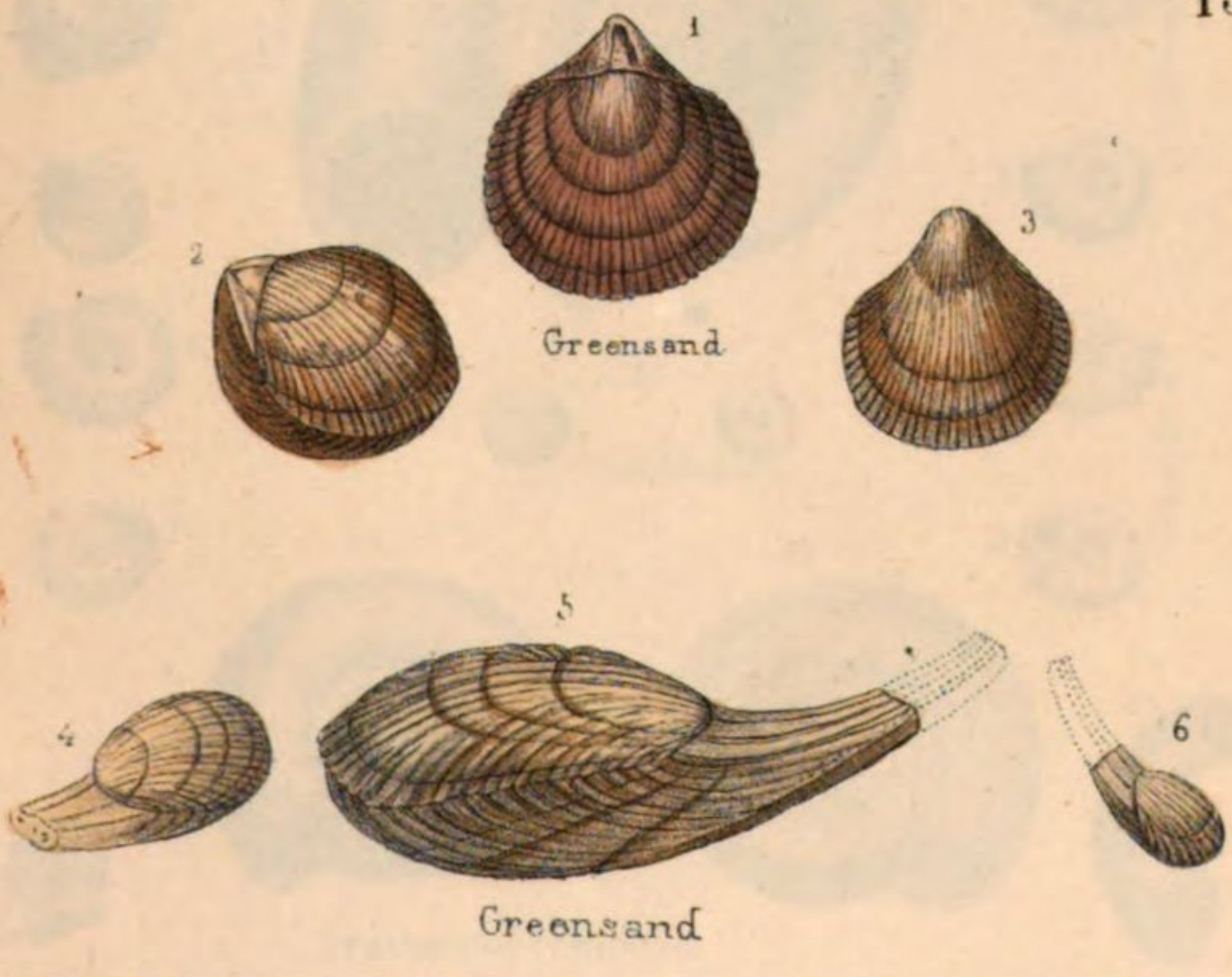
137

Under Oolit

Taunton



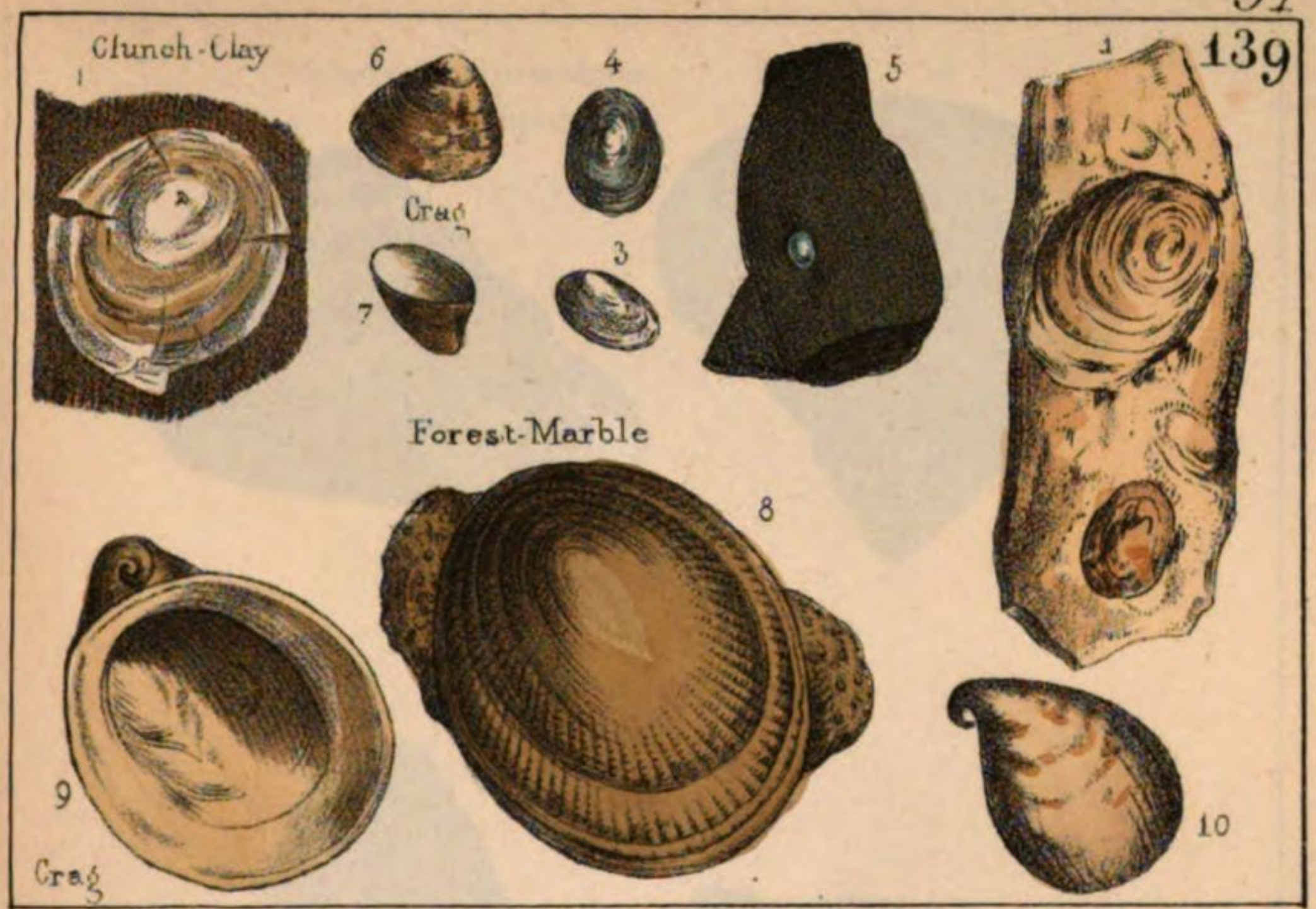
138

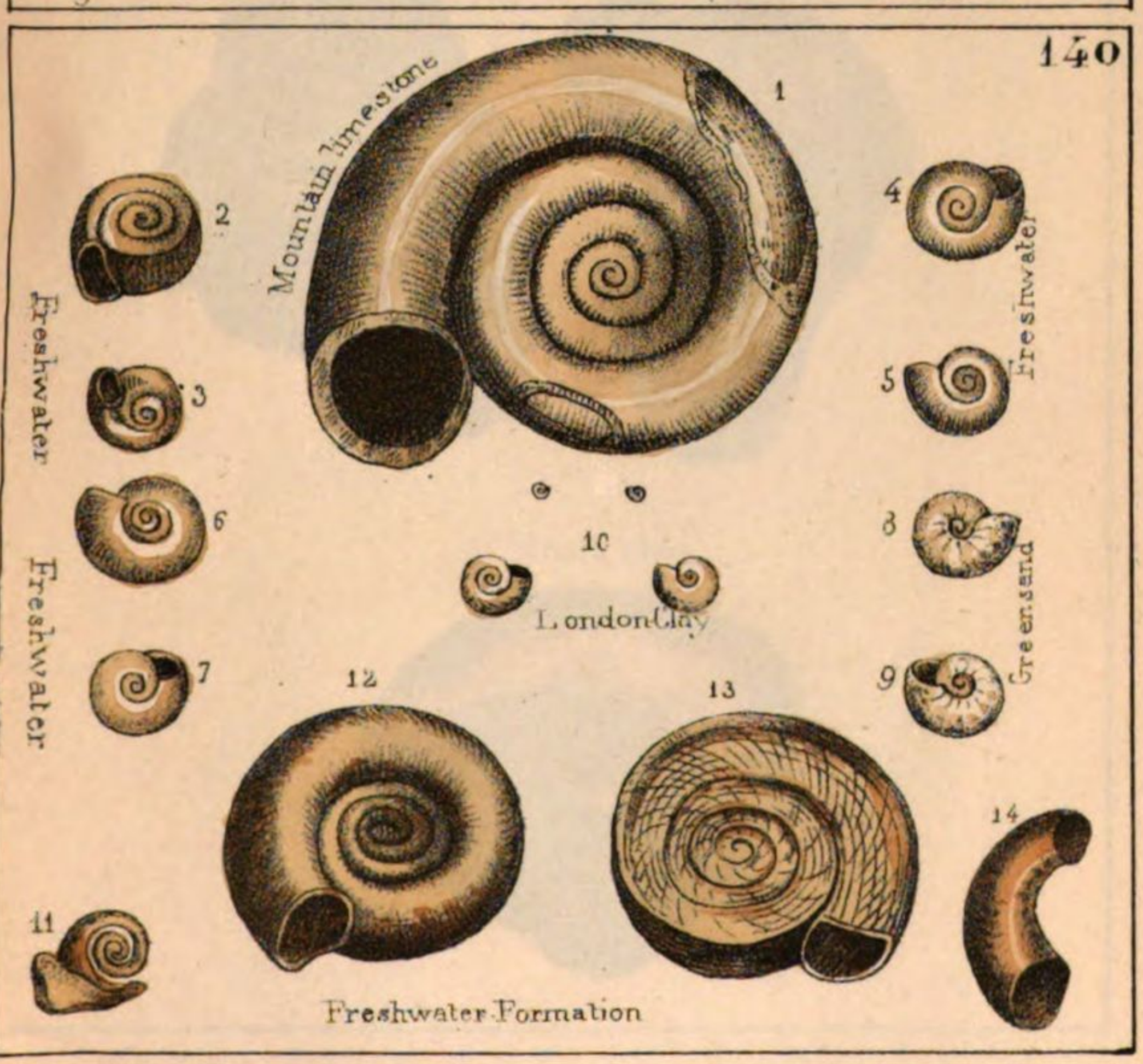


Greensand

Greensand

Tab. 137. Fig. 1. 2. Astarte lurida Sow.- Fig. 3. 4. Ast. elegans. Sow.-
Fig. 5. 6. Astarte cuneata. Sow.-
Tab. 138. Fig. 1. 2. 3 Terebratula pectita Sow.- Fig. 4. 5. 6 Tereb. Lyra Sow





Tab. 139 Fig. 1.2 Patella latissima. Sow.- Fig. 3.4.5. Pat. laevis. Sow.-
Fig. 6.7. Pat. equalis. Sow.- Fig. 8. Pat. rugosa Sow.- Fig. 9.10. Pat. unguis. Sow
Tab. 140. Fig. 1 Planorbis equalis. Sow.- Fig. 2.3. Plan. cylindricus. Sow.-
Fig. 4.5. Plan. obtusus Sow.- Fig. 6.7. Plan. lens Sow.- Fig. 8.9 Plan radiatus Sow
Fig. 10. Plan. hemistoma. Sow.- Fig. 11.12.13.14. Plan. euomphalus. Sow.

Mountain limestone
Derbyshire

1

2

Under Oolit
Yeovil

3

4

Chalk Marl

5

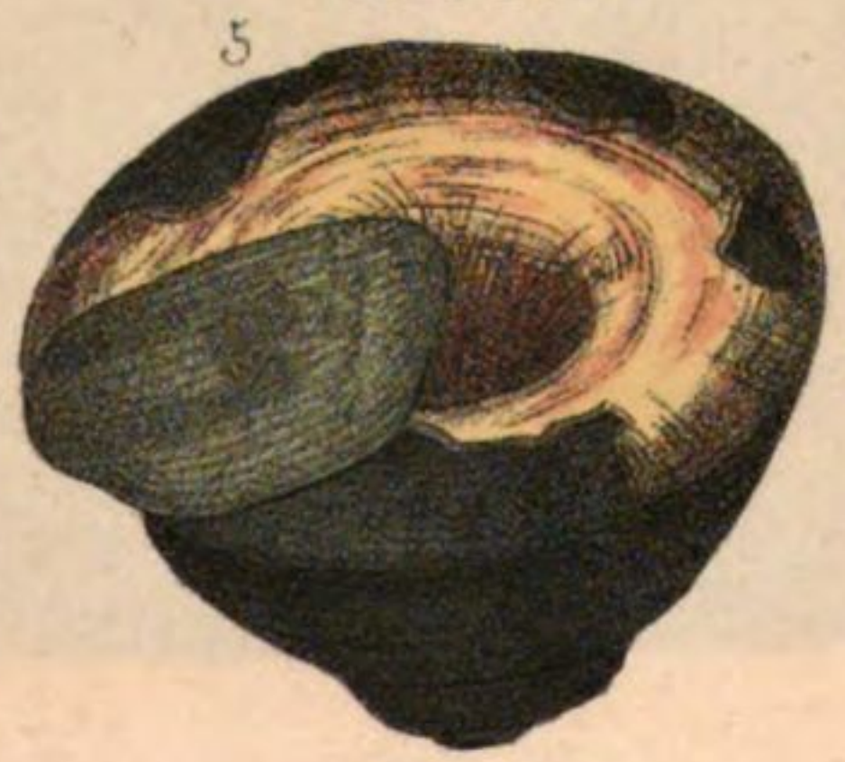
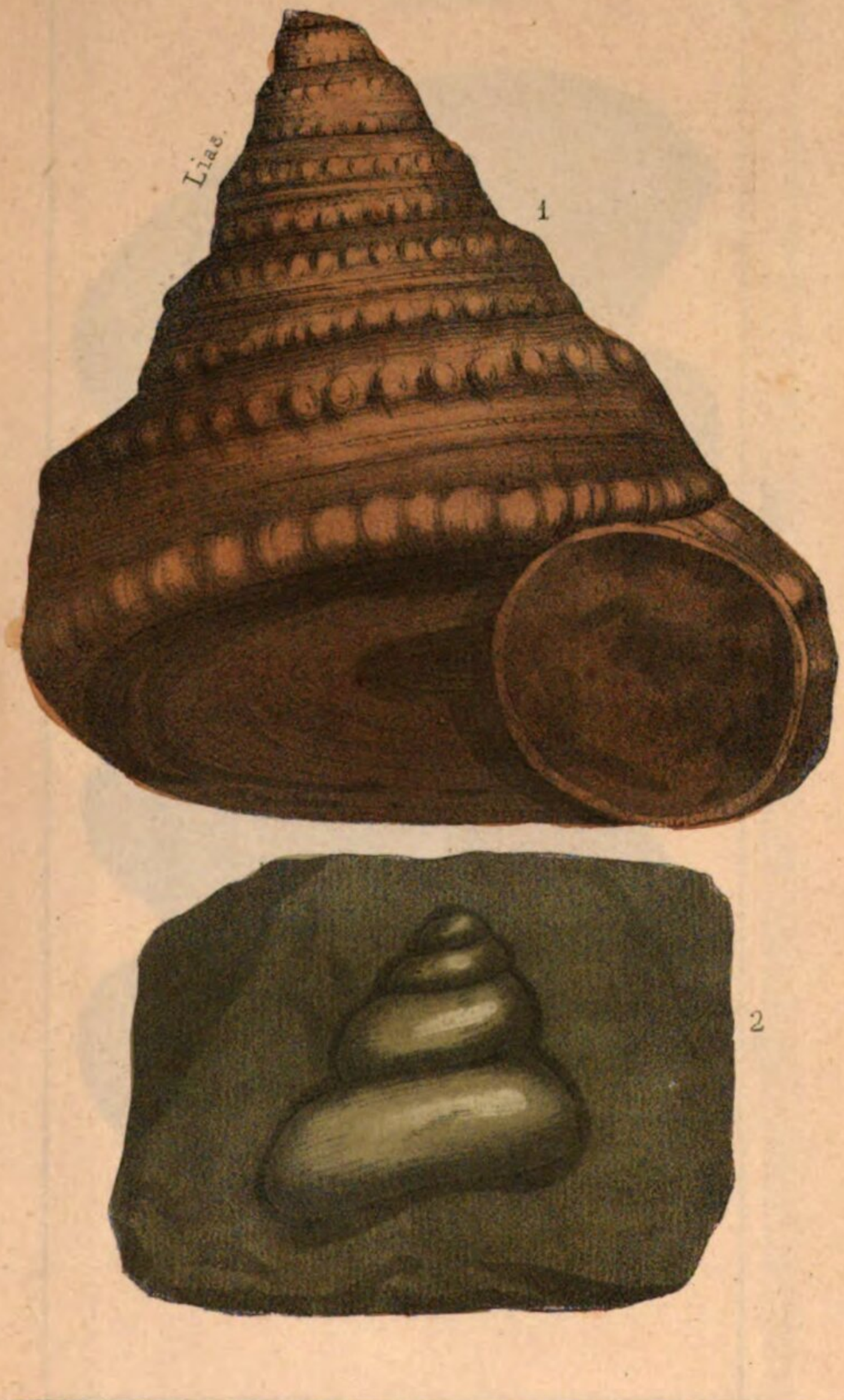


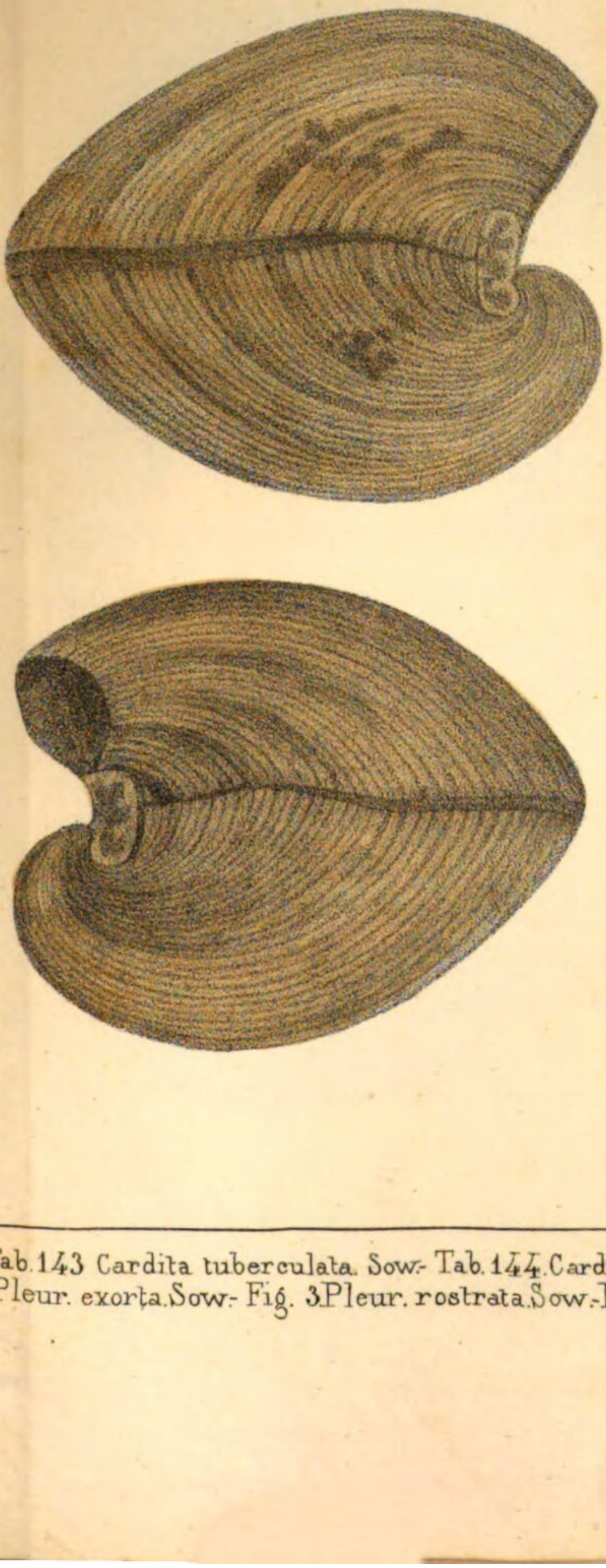
Fig. 1.2 Cirrus acutus Sow.-Fig. 3.4 Cirr. nodosus Sow-Fig. 5 Cirrus plicatus. Sow



Trochus anglicus Sow.

143. 6

Greensand



Tab. 143 Cardita tuberculata. Sow. Tab. 144. Cardium.
Fig. 2 Pleur. exorta. Sow. Fig. 3 Pleur. rostrata. Sow. Fig. Pleur. colon. Sow.

London-Clay.

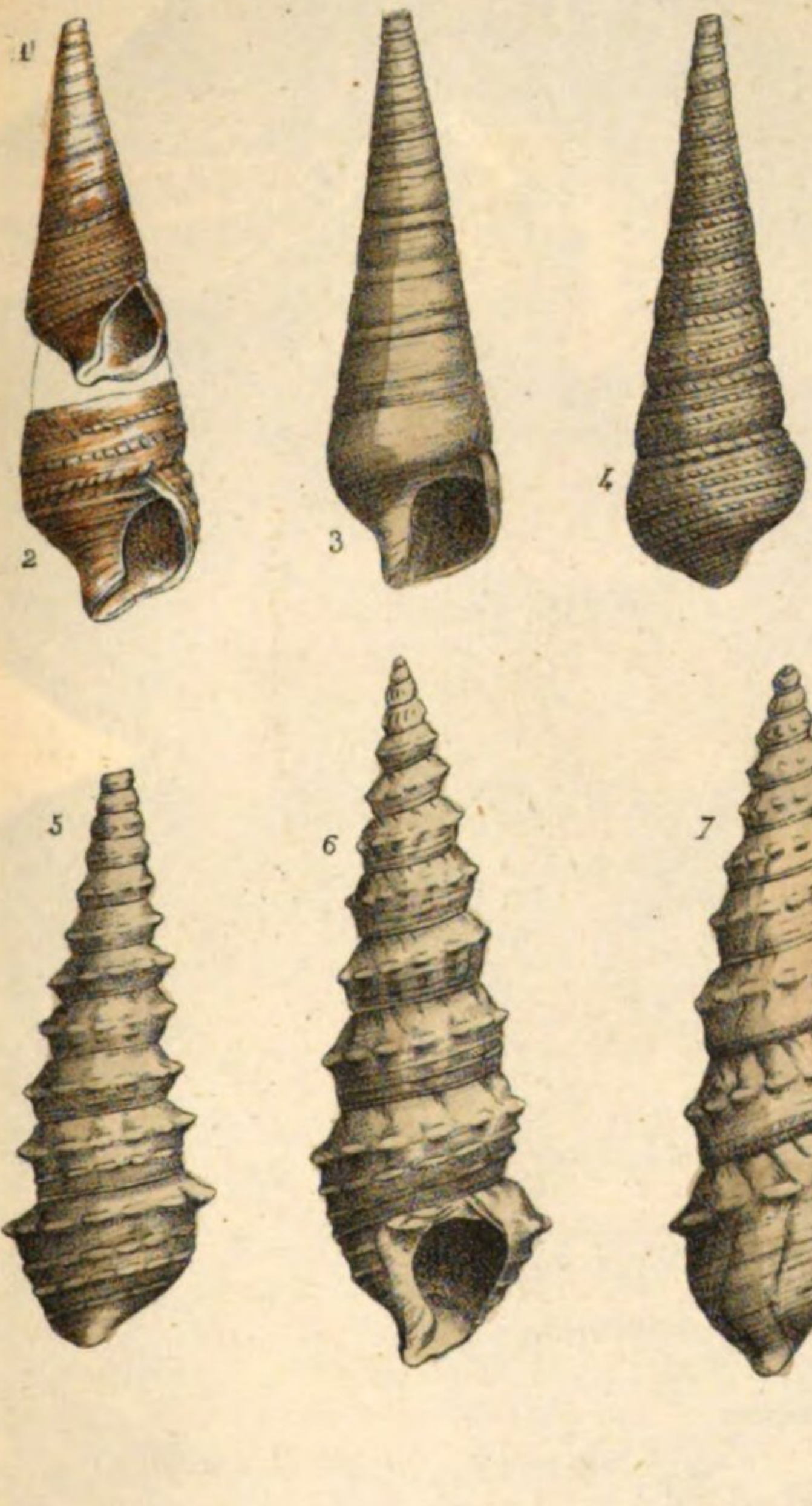


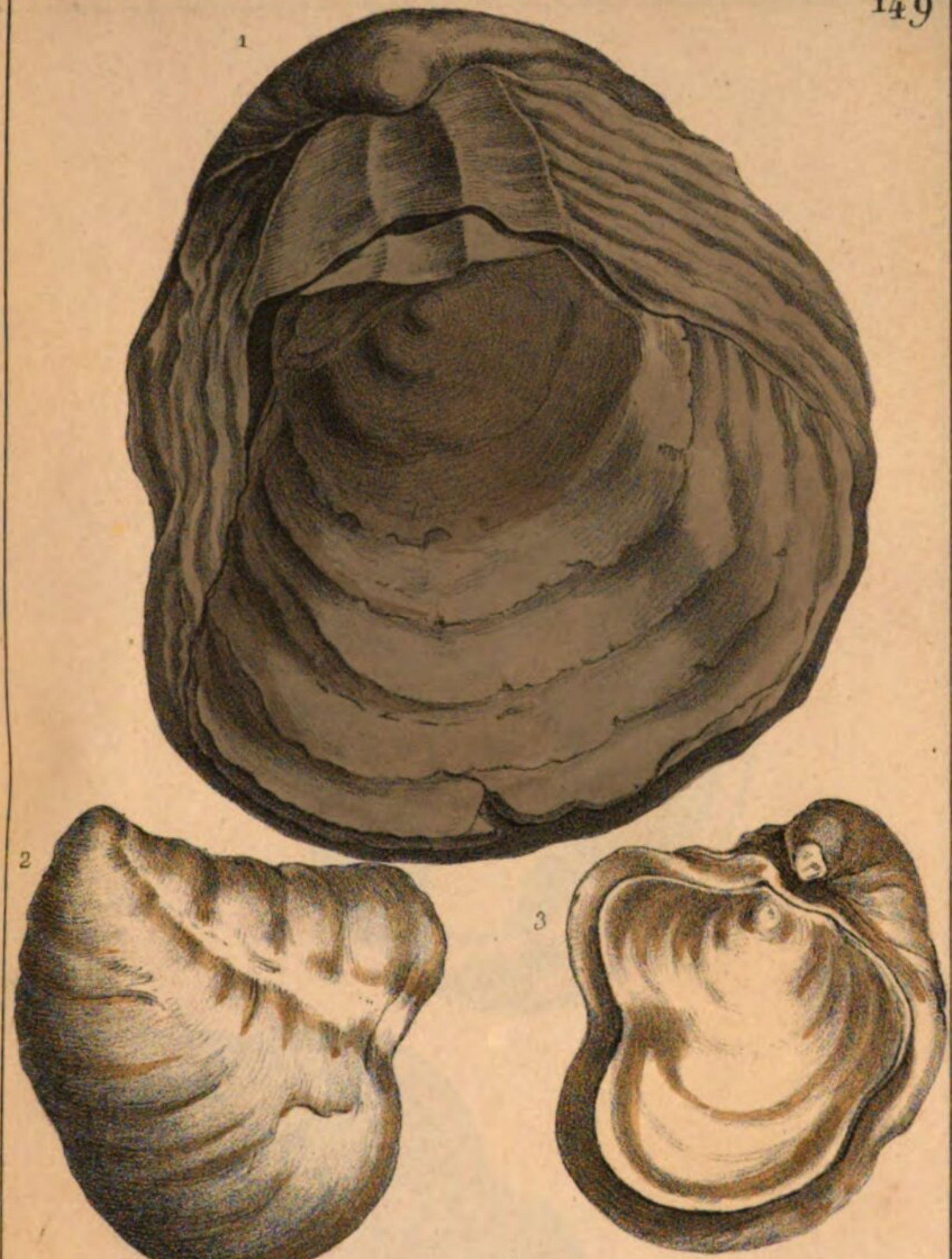
Fig. 1 2. Cerithium funiculatum Sow. Fig. 3. 4. Cerith. intermedium Sow. Fig. 5. Cerith. dubium Sow. Fig. 6. 7. Cerith. melanoides Sow.

99.c.
148.

Oxford.

Ostrea deltoidea Lam.-

149



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Under Oolite

Tab. 149. Gryphaea dilatata Sow.-
Tab. 150. Fig. 1.2. Terebratula acuta. Sow.- Fig. 3.4. Tereb. resupinata. Sow

Crag

Cassis bicatenatus Sow.

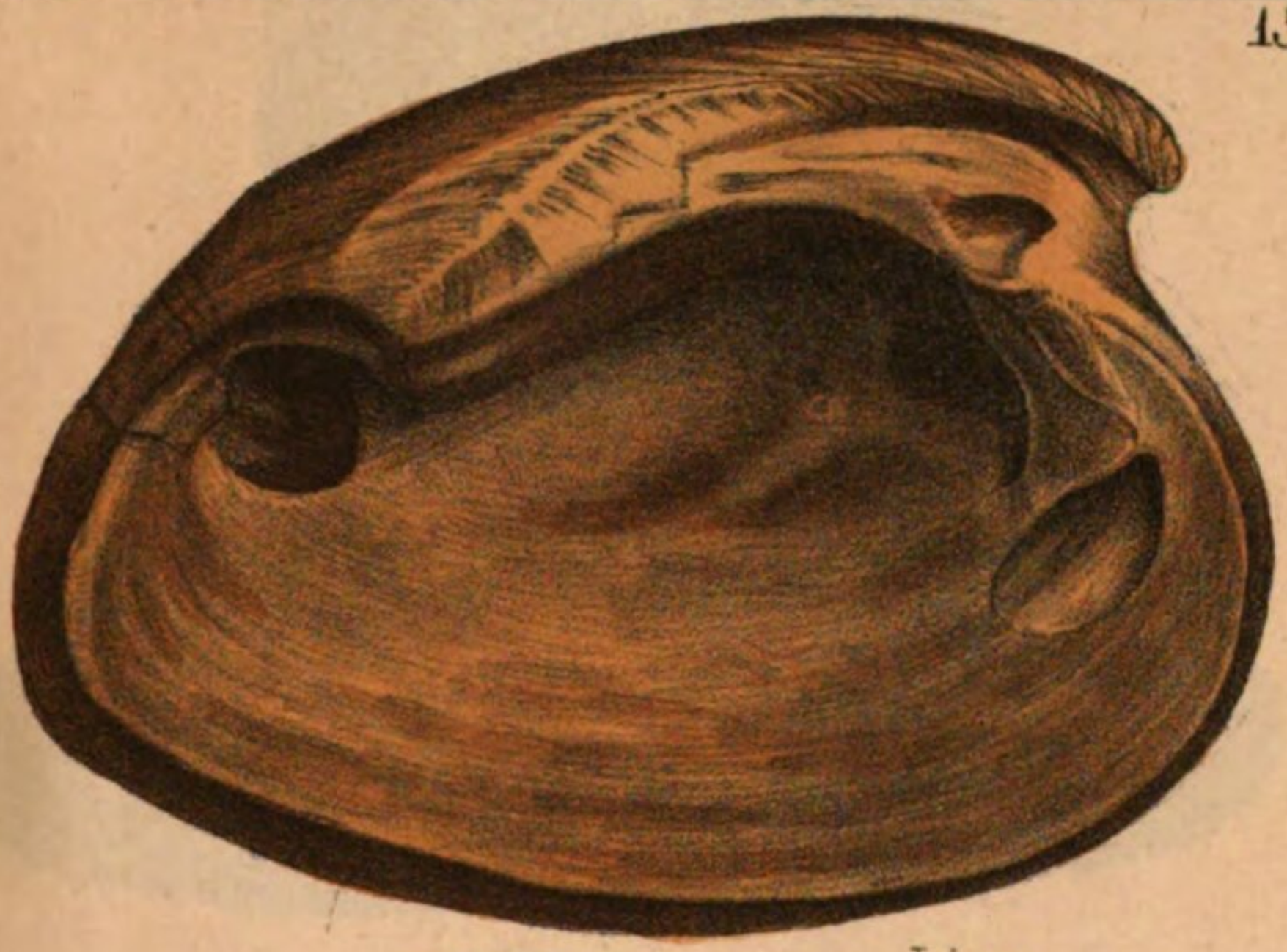
102
152

1

Under Oolite

2

153



Lias

Tab. 152 Lima gibbosa. Sow.
Tab. 153. Unio crassissima. Sow.

1

Crag

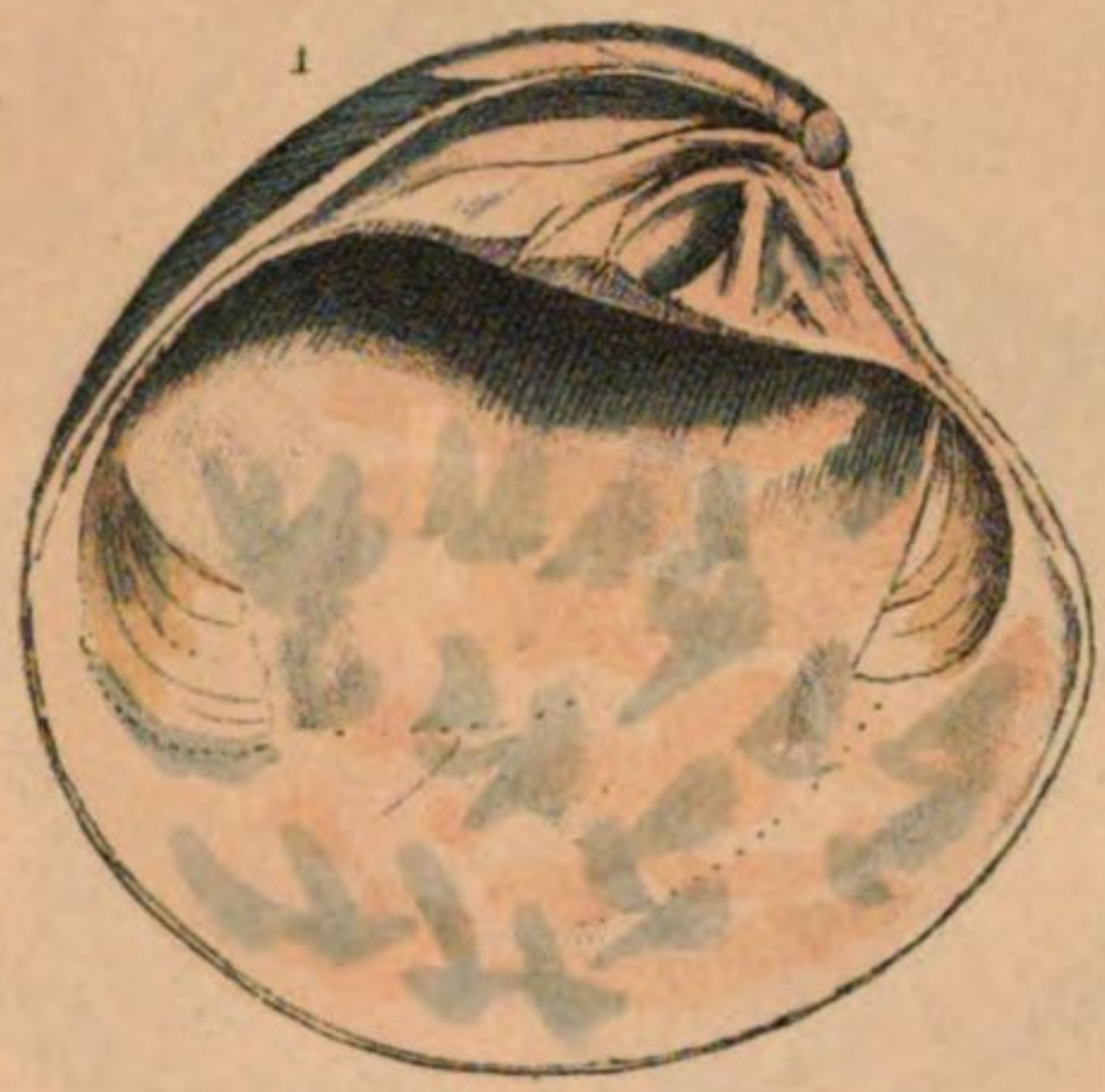
4

2

Portland. Rock

3

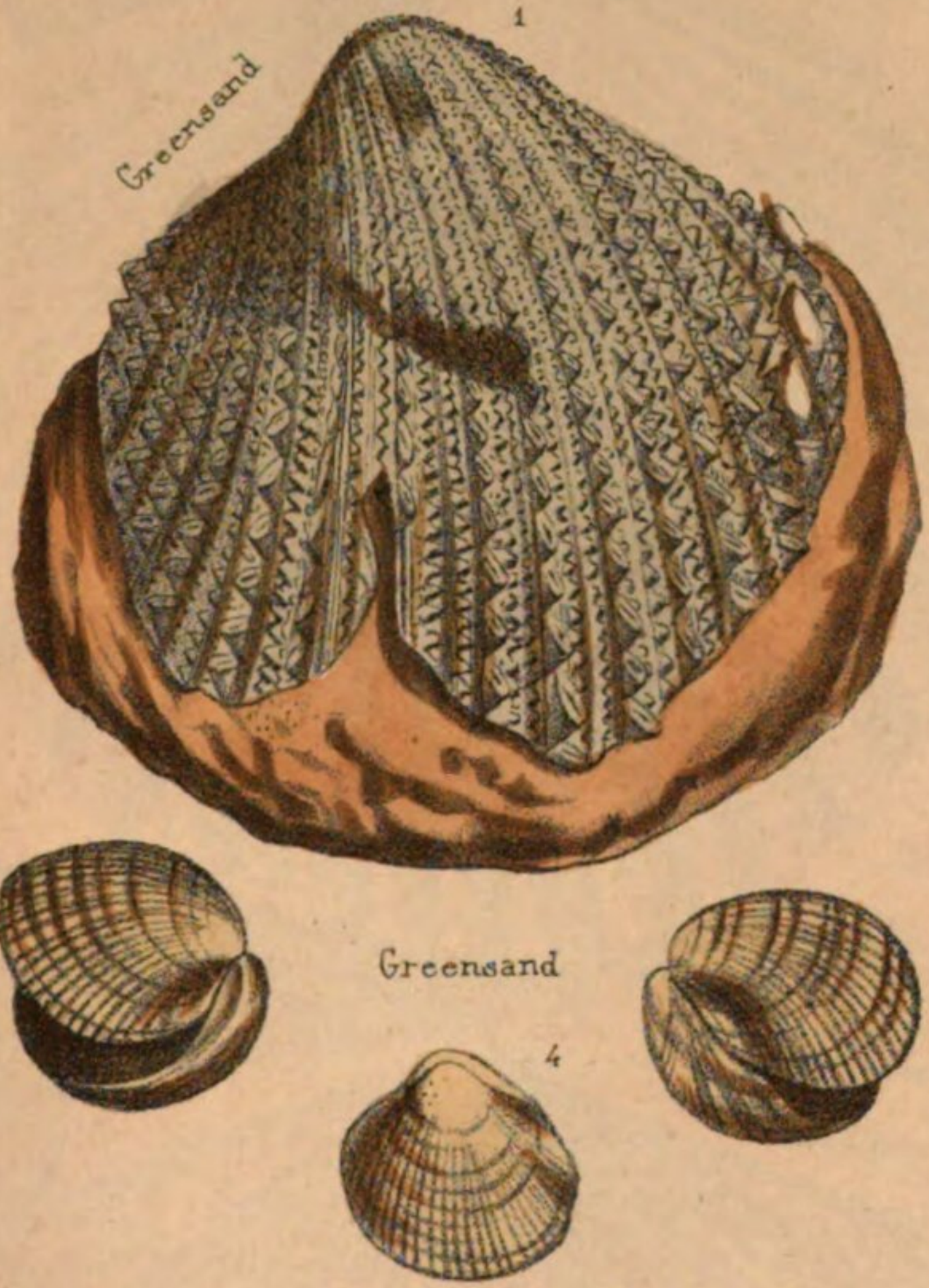
Fig. 1.2.3 Unio Listeri. Sow.-Fig. 4 Unio hybrida. Sow.



Crag

Fig. 1.2 Venus incrassata. Sow- Fig. 3.4 Venus gibbosa. Sow-

156



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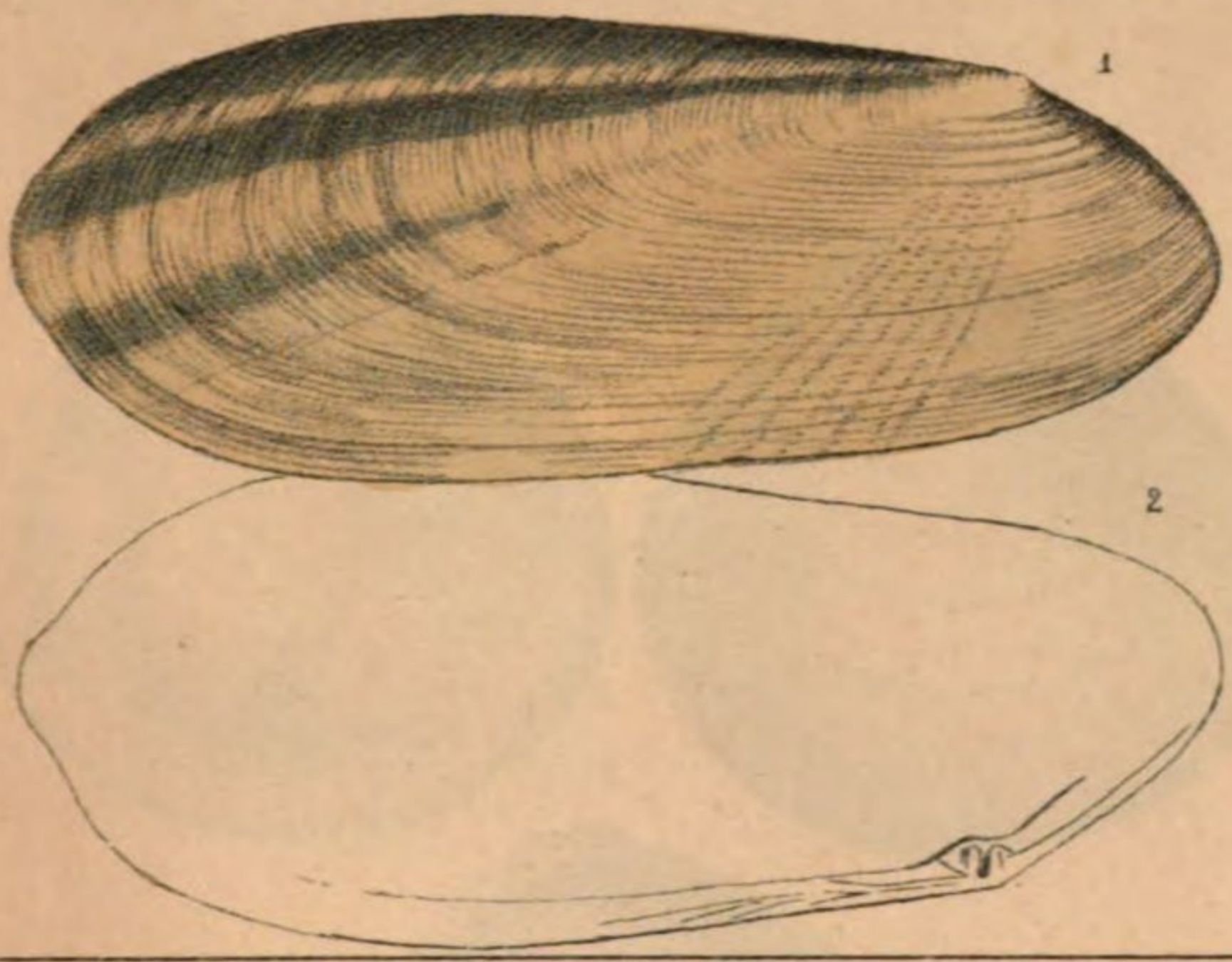
Clunch Clay

Tab. 156. Fig. 1. Cardium proboscideum. Sow. - Fig. 2, 3, 4. Card. umbonatum Sow
Tab. 157 Ammonites Duncani. Sow

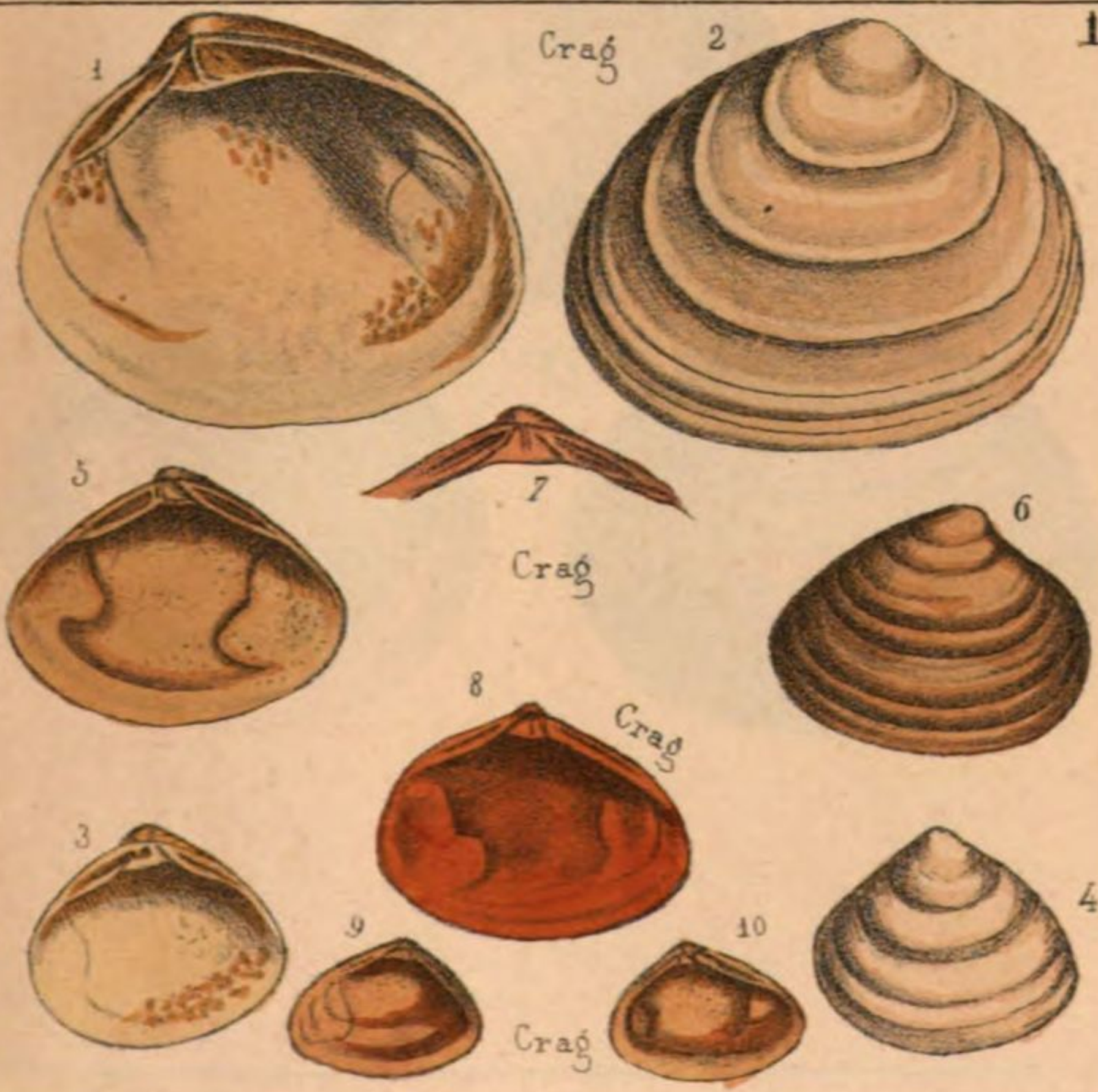
Chalk Marl.

Pecten Beaveri. Sow.-

London-Clay.



160

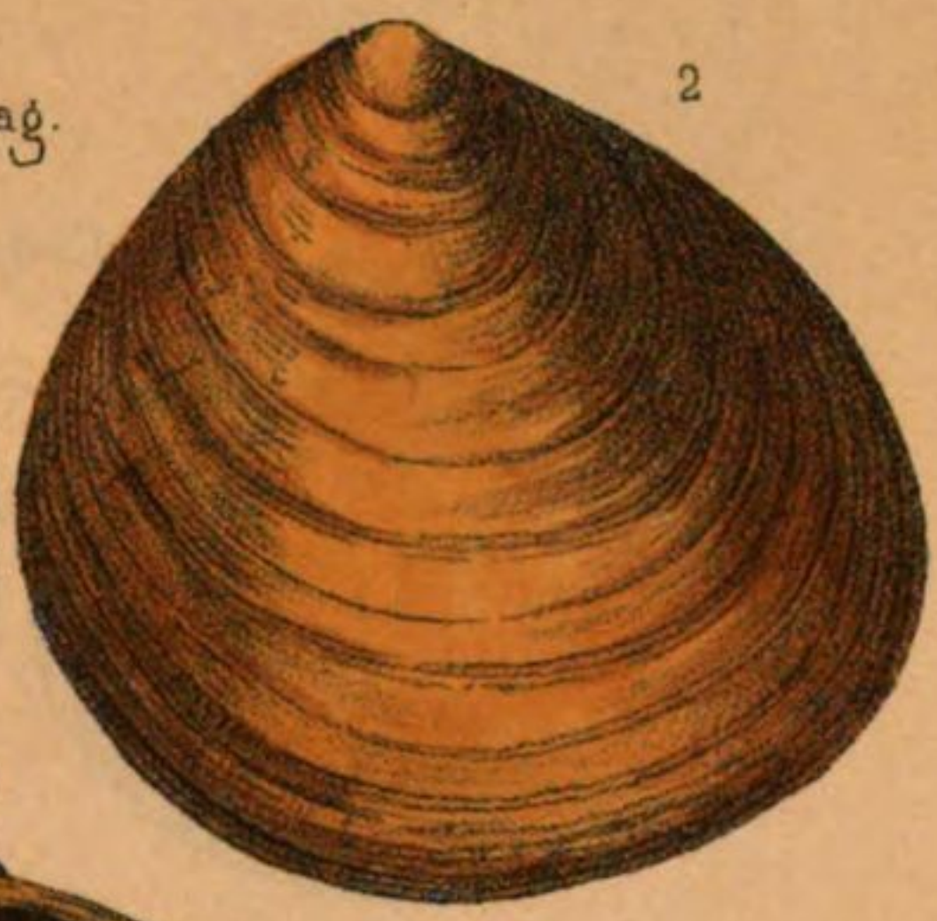


Tab. 159. Sanguinolaria Hollowaysii Sow.
Tab. 160. Fig. 1.2.3.4. Mactra arcuata Sow.- Fig. 5.6.7 Mact. dubia. Sow.
Fig. 8. Mact. ovalis . Sow.- Fig. 9.10. Mact. cuneata. Sow

1

Crag.

2



3

4

Crag.

5

Fig. 1 2. 3. Tellina obliqua Sow. - Fig. 4. 5. Tell. ovata. Sow. -

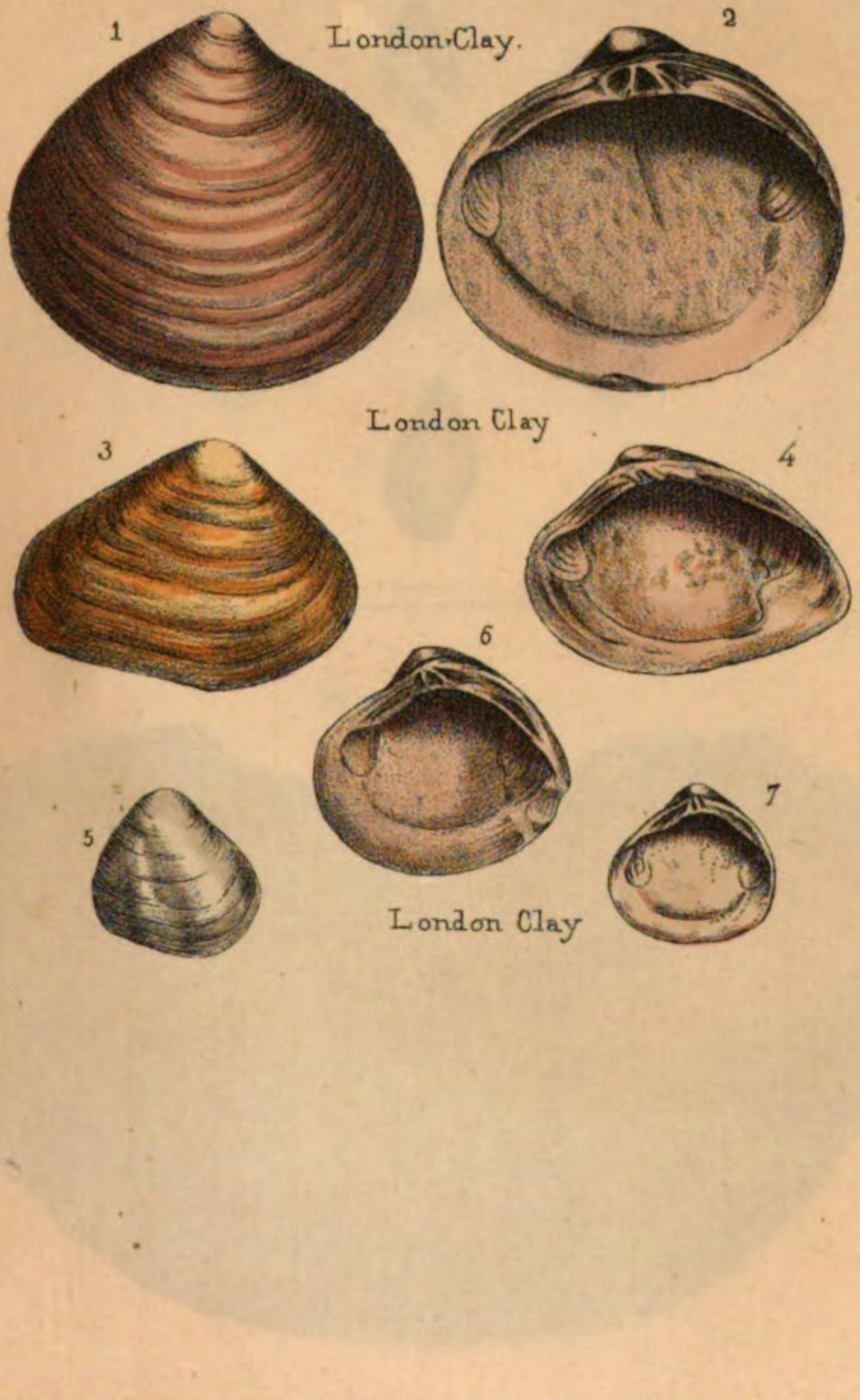


Fig 1.2. Cyclas deperdita Lam. Fig. 3 4. Cycl. cuneiformis. Sow.
Fig: 5.6.7 Cycl. obovata Sow.

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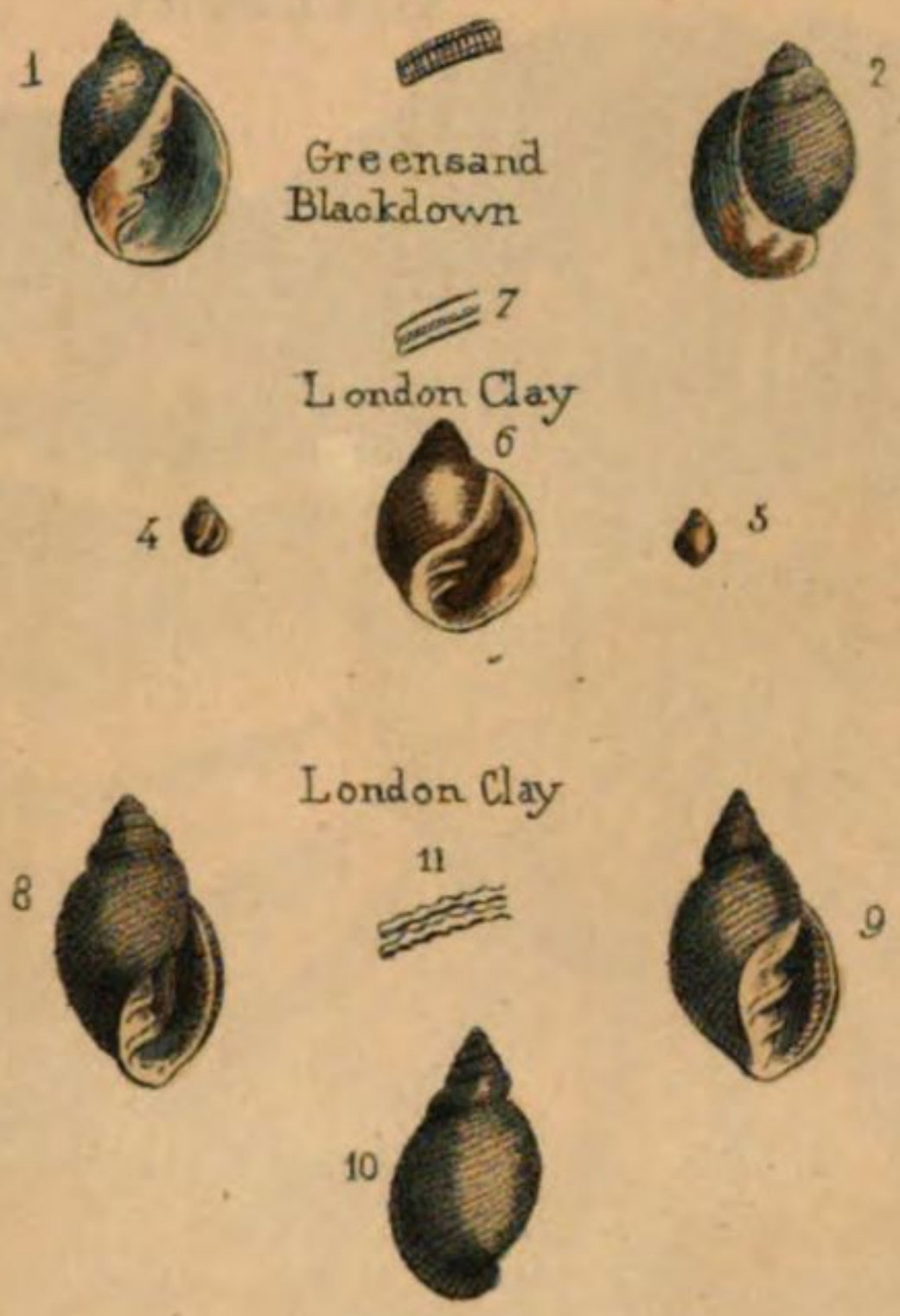


164

Tab. 163. Fig. 1. 2. 3. Auricula inornata. Sow. - Fig. 4. 5. 6. 7. Aur. turgida Sow.
Fig. 8. 9. 10. 11. Aur. simulata. Sow.
Tab. 164. Ammonites fimbriatus Sow.

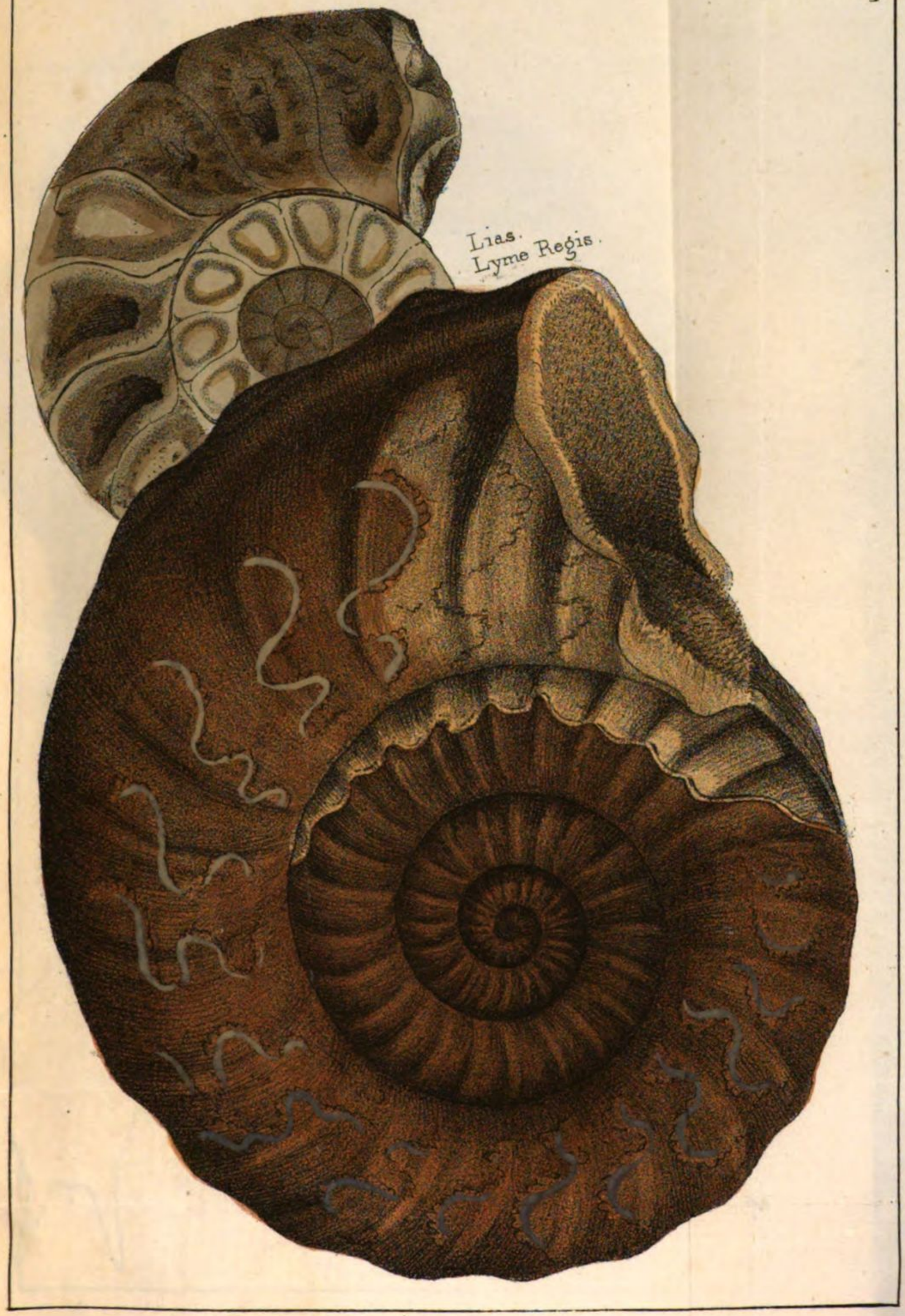
Portland-Rock

Ammonites vertebralis Sow.

Portland-Rock

Ammonites plicatilis Sow

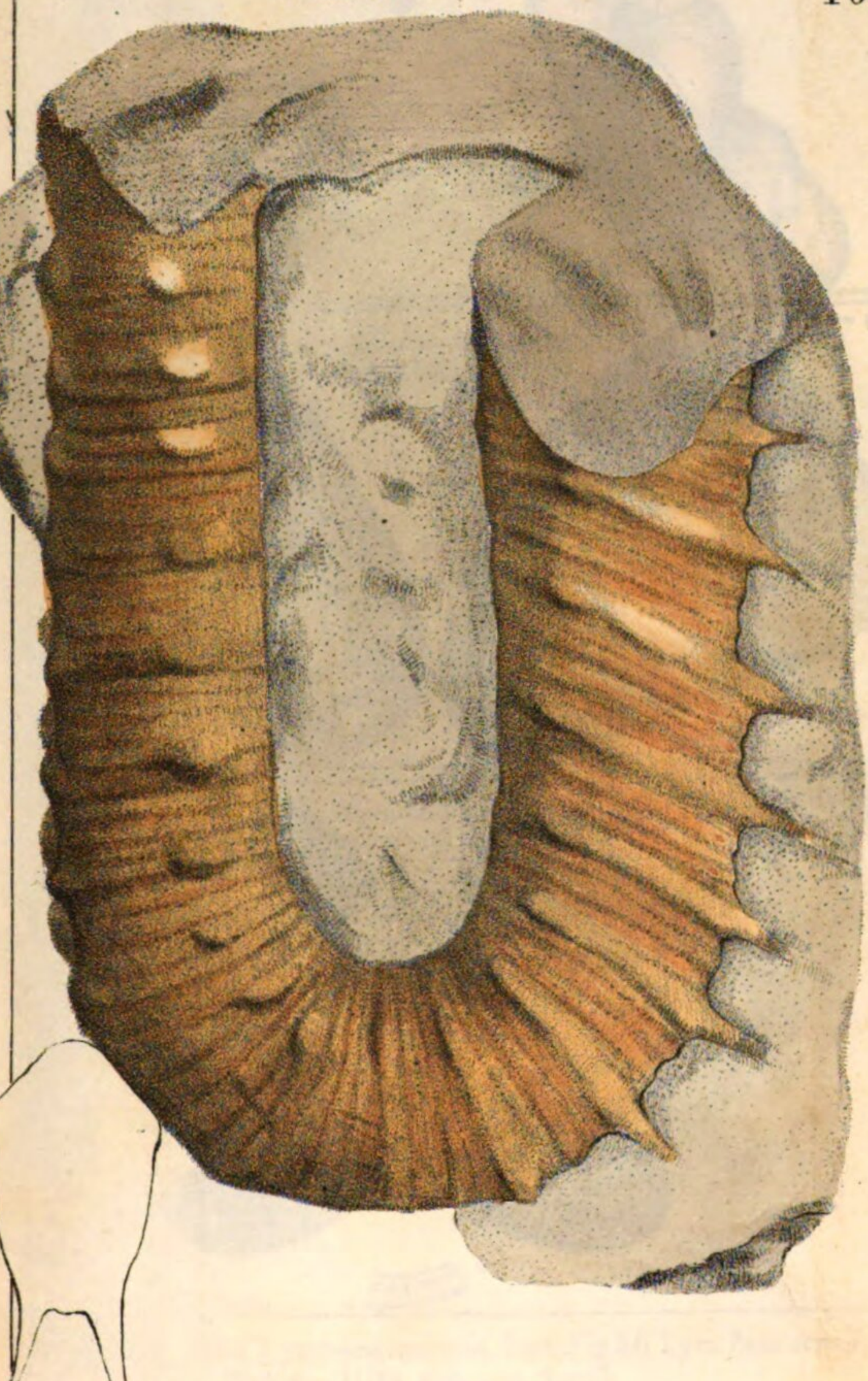
Amr



Ammonites obtusus Sow.

Chalk-Marl.

168

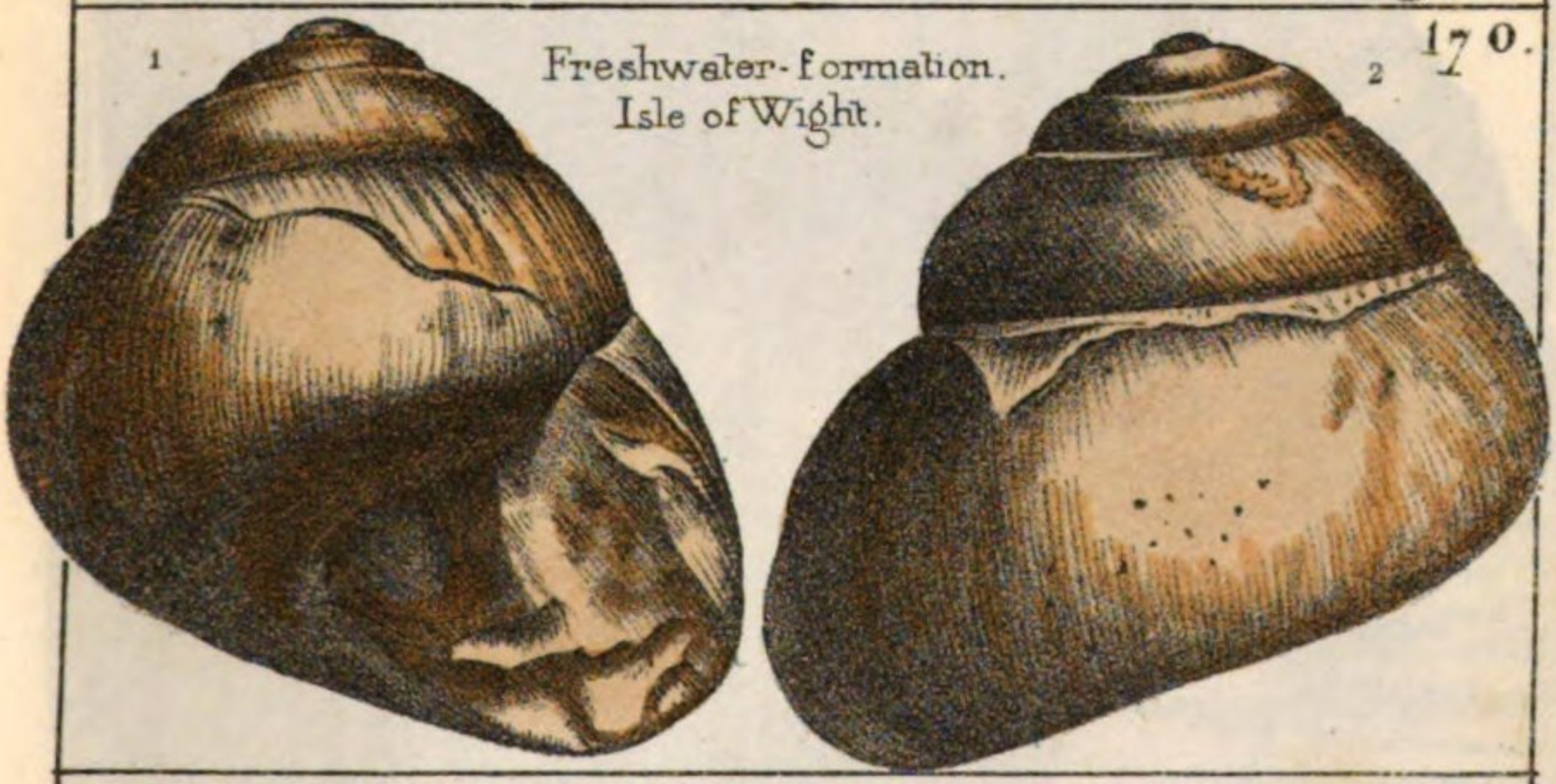


Hamites armatus. Sow.

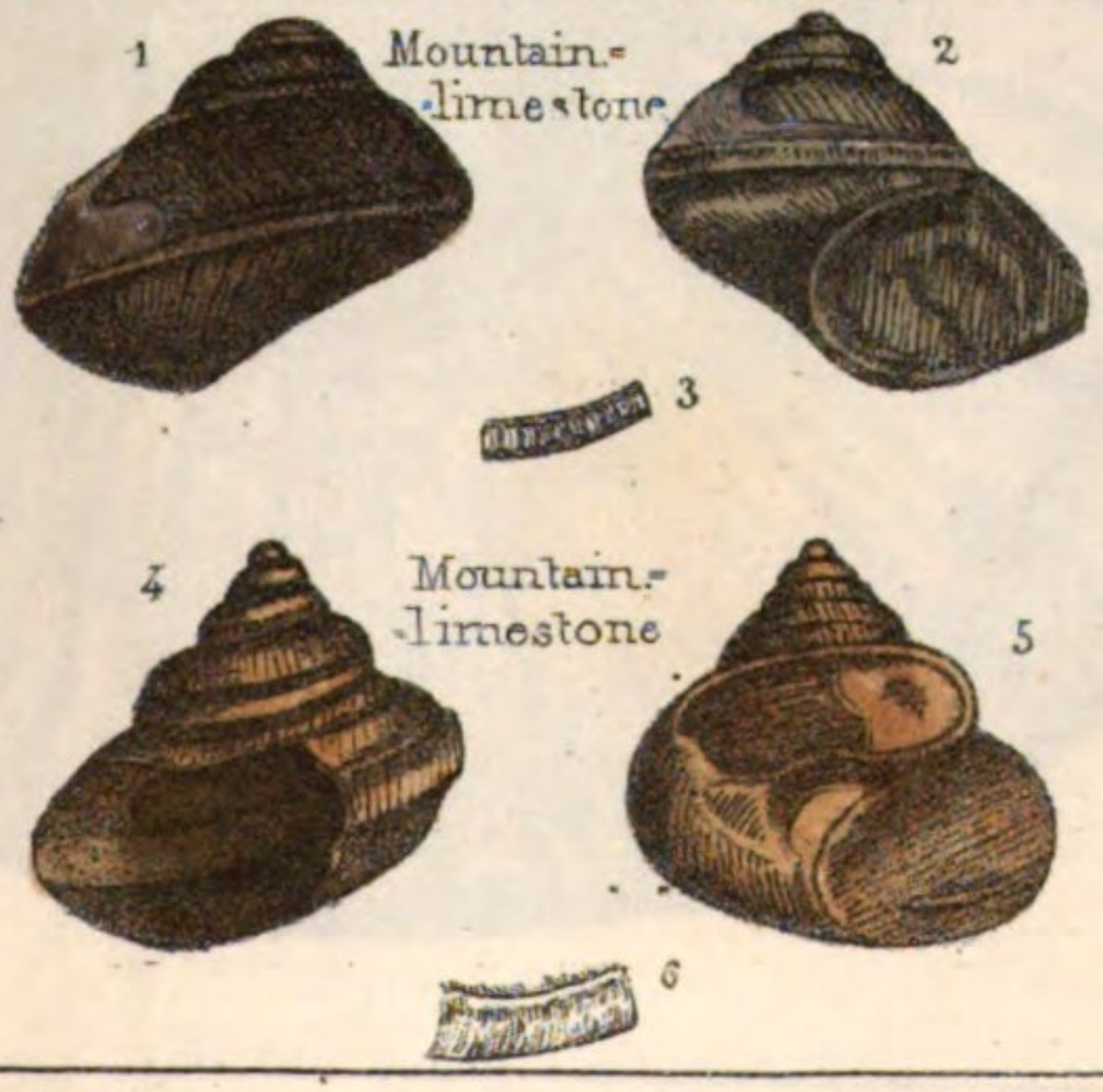
169

Freshwater formation. - Isle of. Wight

170.



171



Tab.169.Fig.1.2.3.4.Lymnaea.minima.Sow:-Fig.5.6.Lym.fusiformis.Sow.

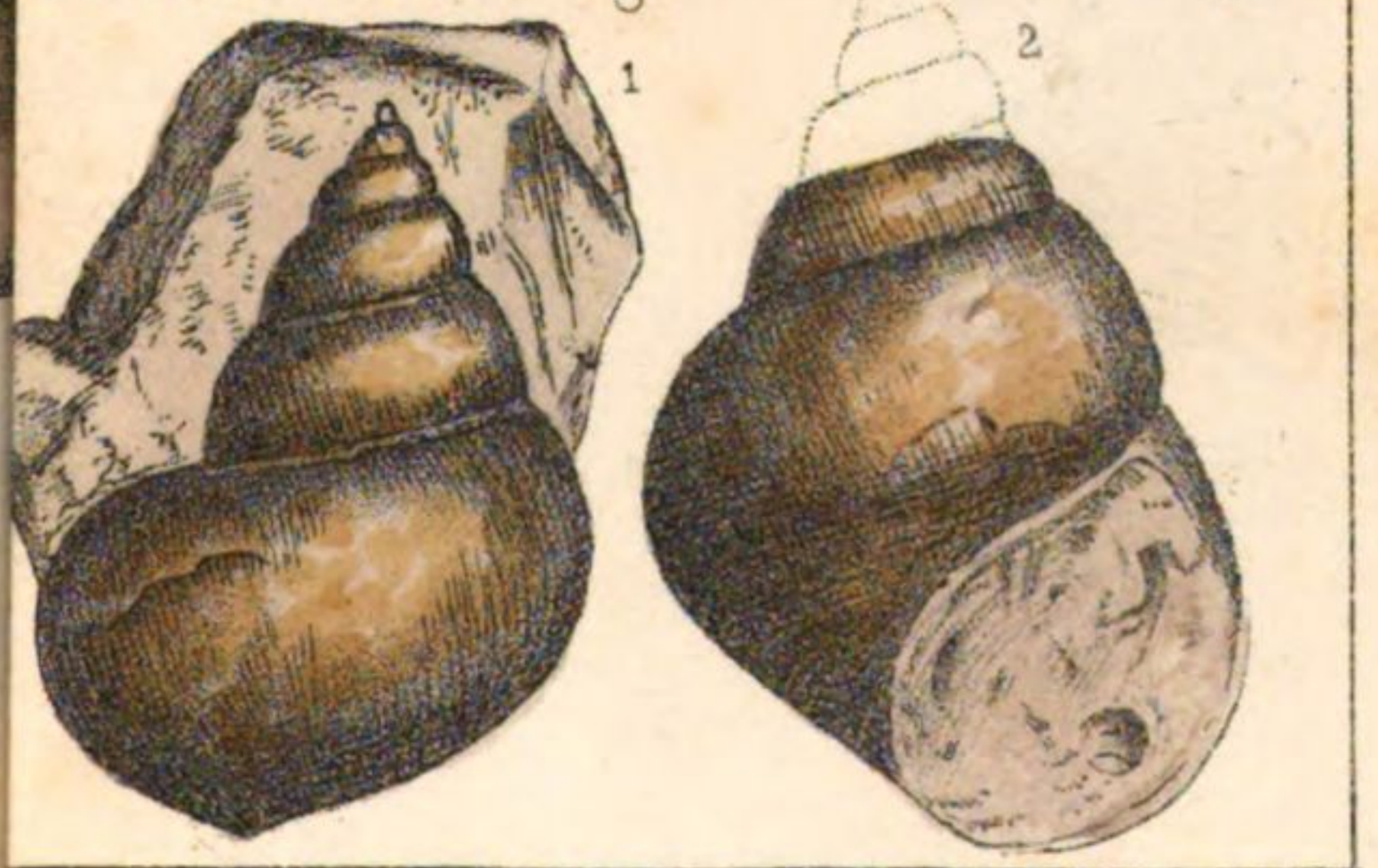
Tab.170.Helix.globosus.Sow:-

Tab.171.Fig.1.2.3.Helix.striatus.Sow.- Fig.4.5.6. Hel.cirriformis.Sow.

Ammonites Henleyi. Sow.

174.

Formation - Isle of Wight. 175



v.- Tab 175. Fig 1.2 Phasianella orbicularis. Sow.-
sa. Sow.- Fig. 4.5.6. Ph. minuta. Sow.-

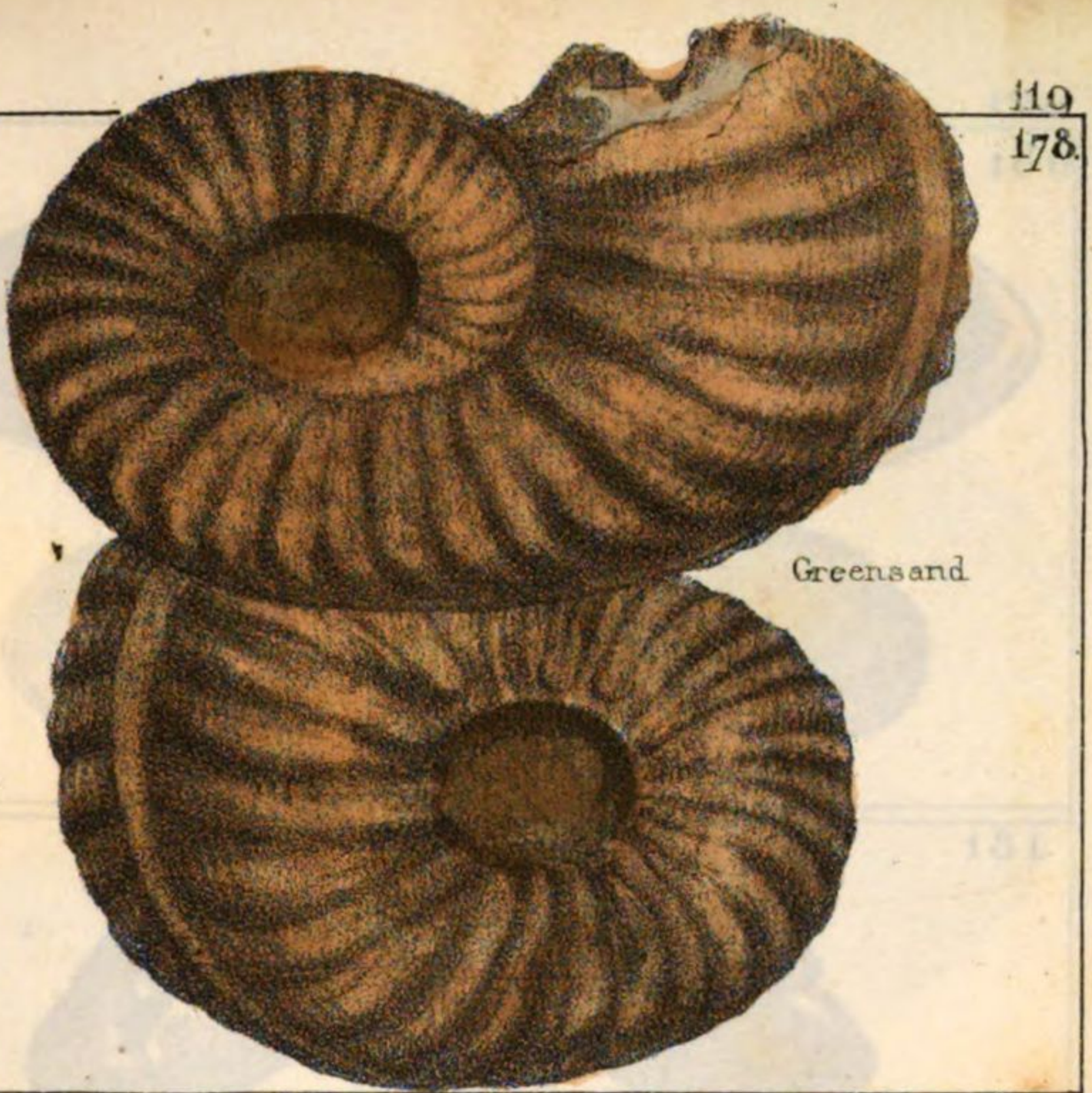
118

177

Chalk .

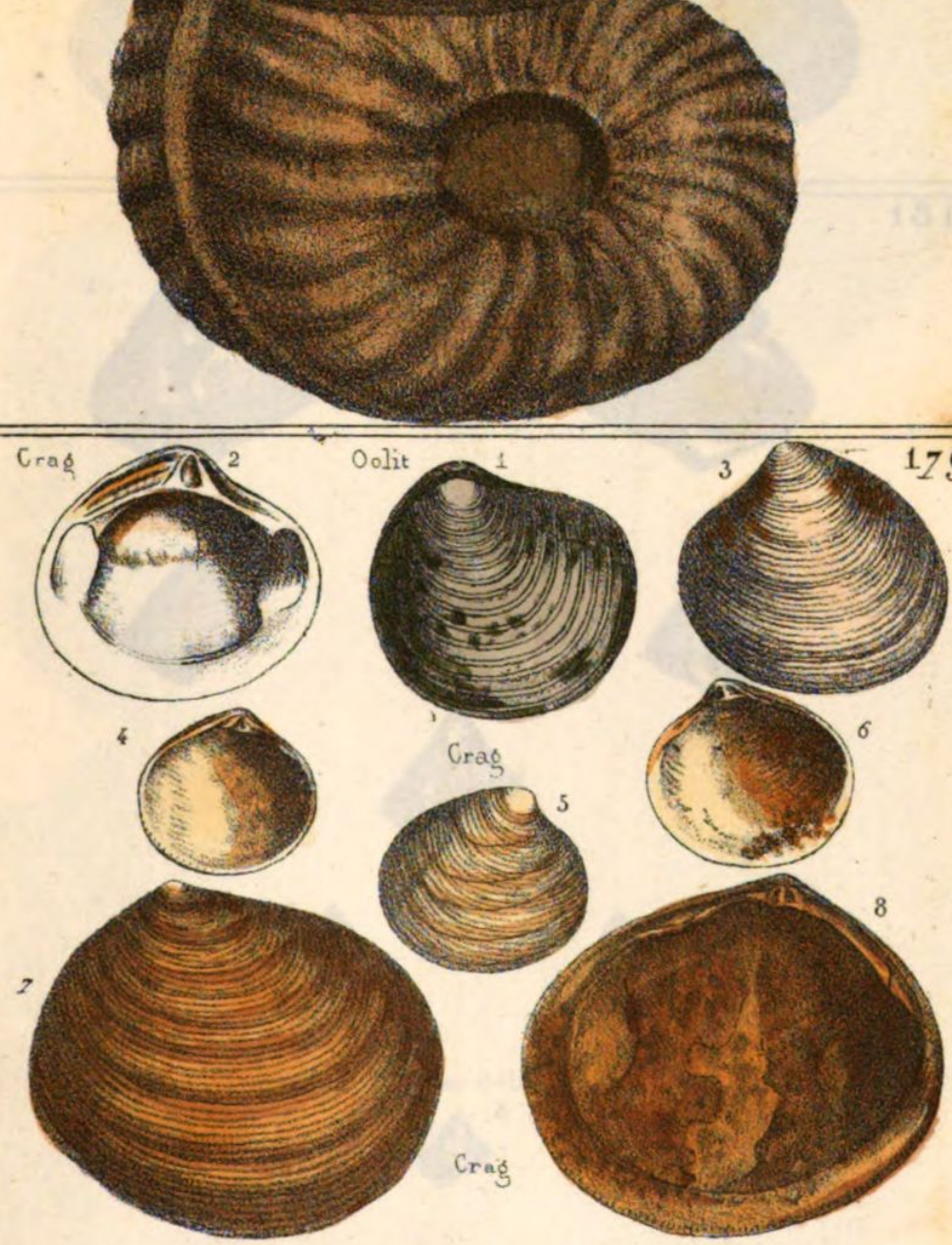
cus Sow .

178.



Greensand

179.

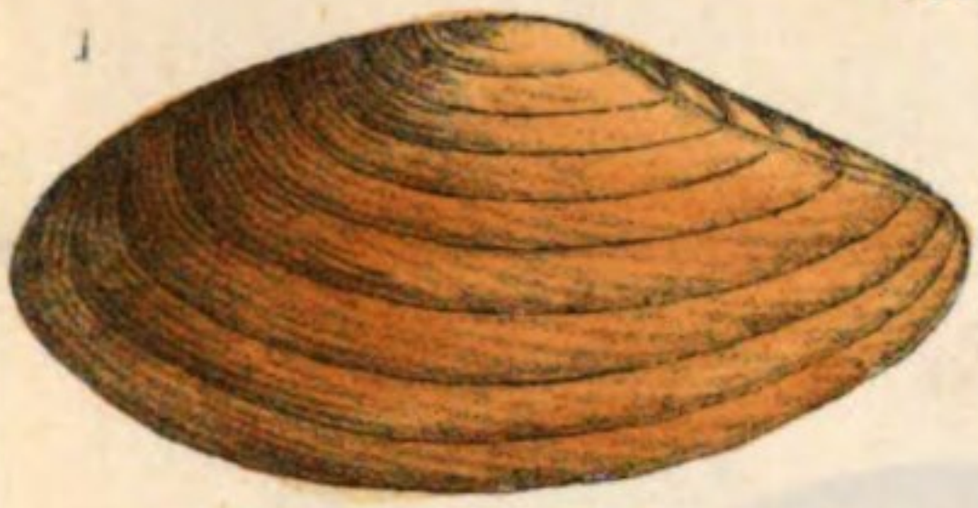


Tab.178 Ammonites inflatus Sow.-
Tab.179.Fig.1 Astarte lineata. Sow.- Fig.2.3. Ast. plana Sow.-
Fig.4.5.6. Ast. obliquata. Sow Fig.7.8. Tellina obtusa Sow.

180

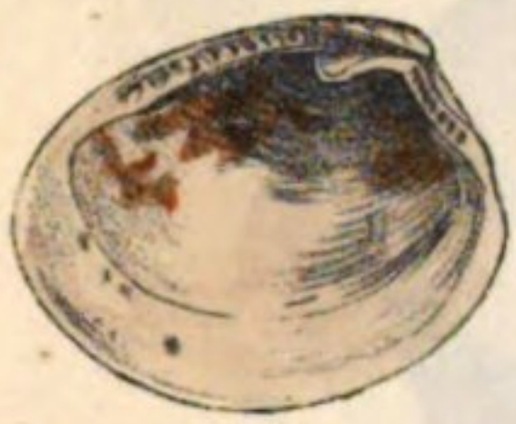
Crag

1



2

3



Crag

4

181

1

Crag

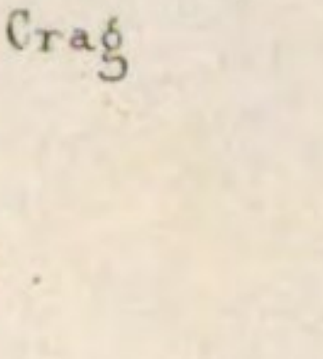
2

3

Crag

5

4



6

Under Oolit.

7

9

Under-Oolit.

8

Under-Oolit.

10

Tab. 180 Fig. 1.2. Nucula lanceolala. Sow.- Fig. 3.4 Nuc. Cobboldiae Sow
Tab. 181 Fig 1.2. Trochus laevigatus Sow.- Fig. 3.45 Troch. similis Sow
Fig 6.7 Troch. concavus Sow.- Fig. 8. Troch. dimidiatus Sow
Fig 9.10. Troch duplicatus Sow

Nautilus striatus. Sow.

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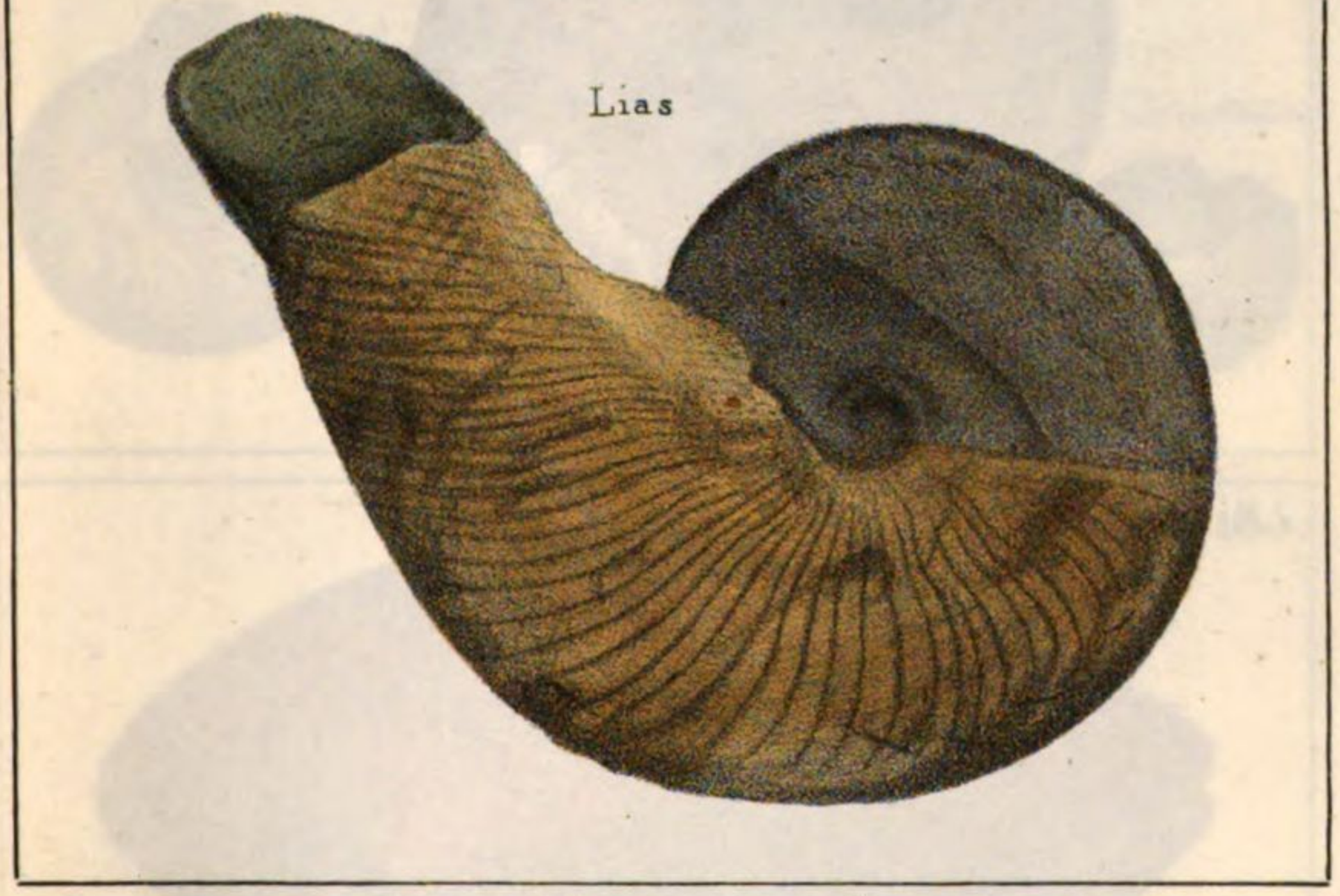
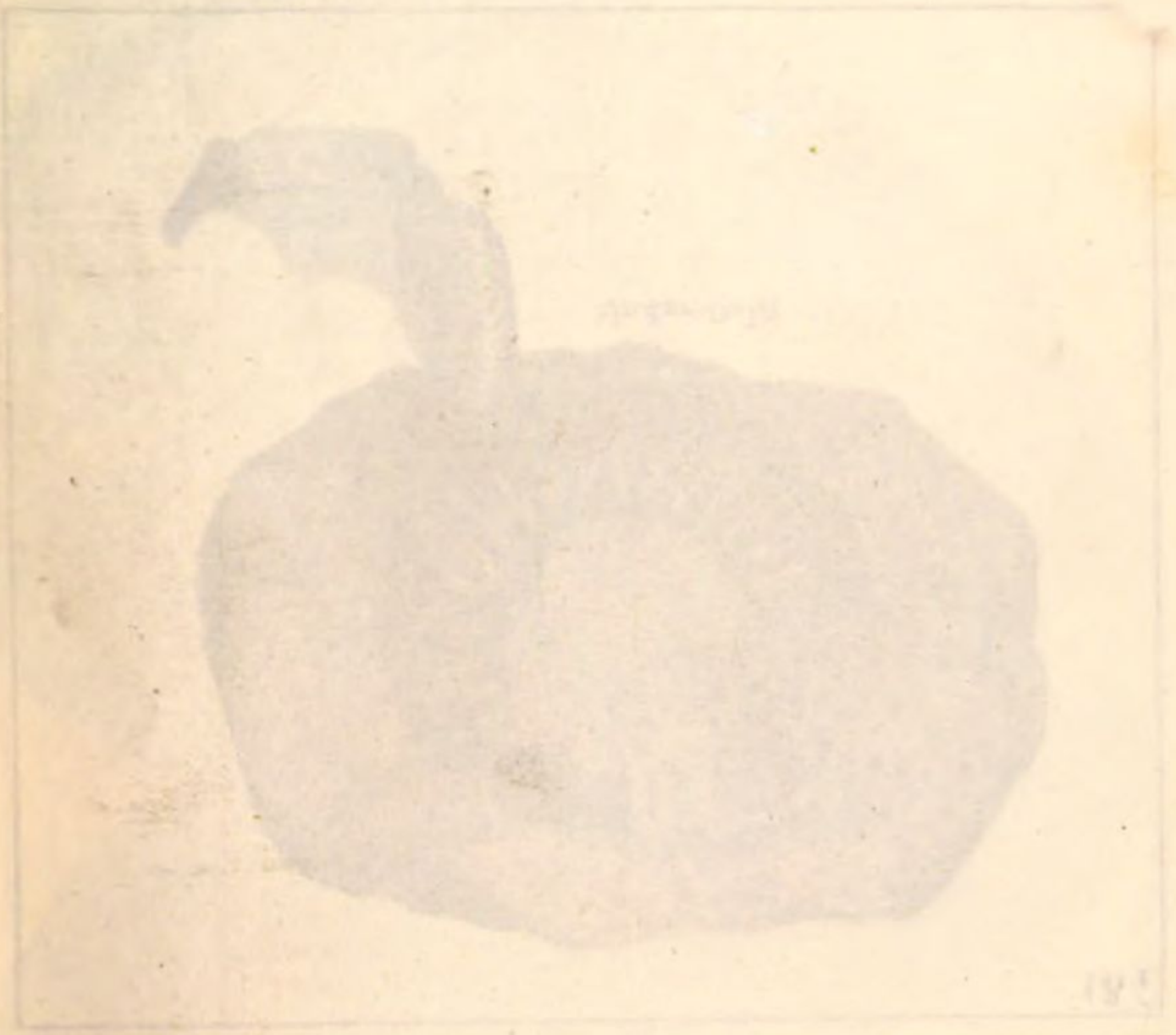


Lias

184.

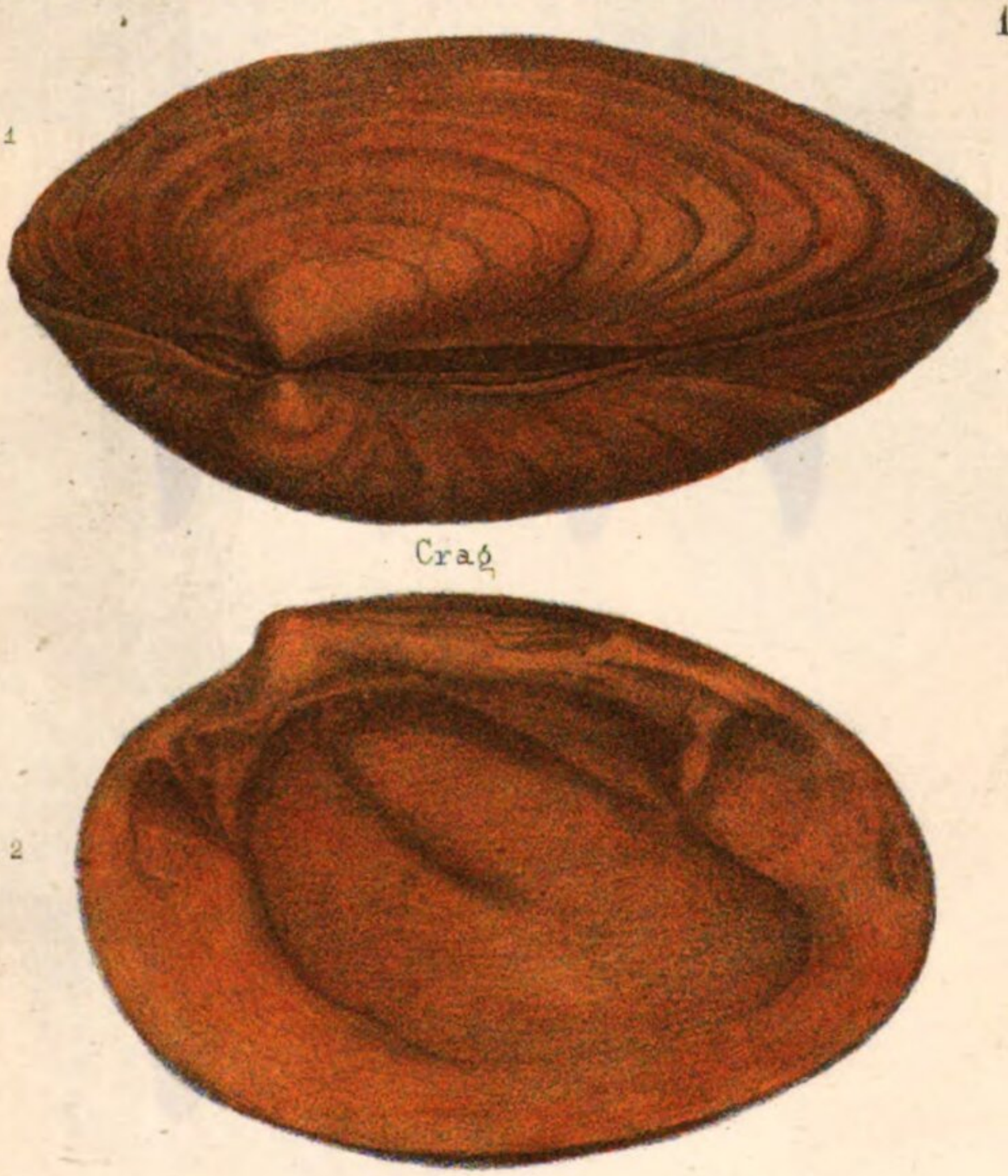
Under-Oolit

Tab. 183. Ammonites Loscombi. Sow.
Tab. 184 Ammonites Braikenridgii Sow.

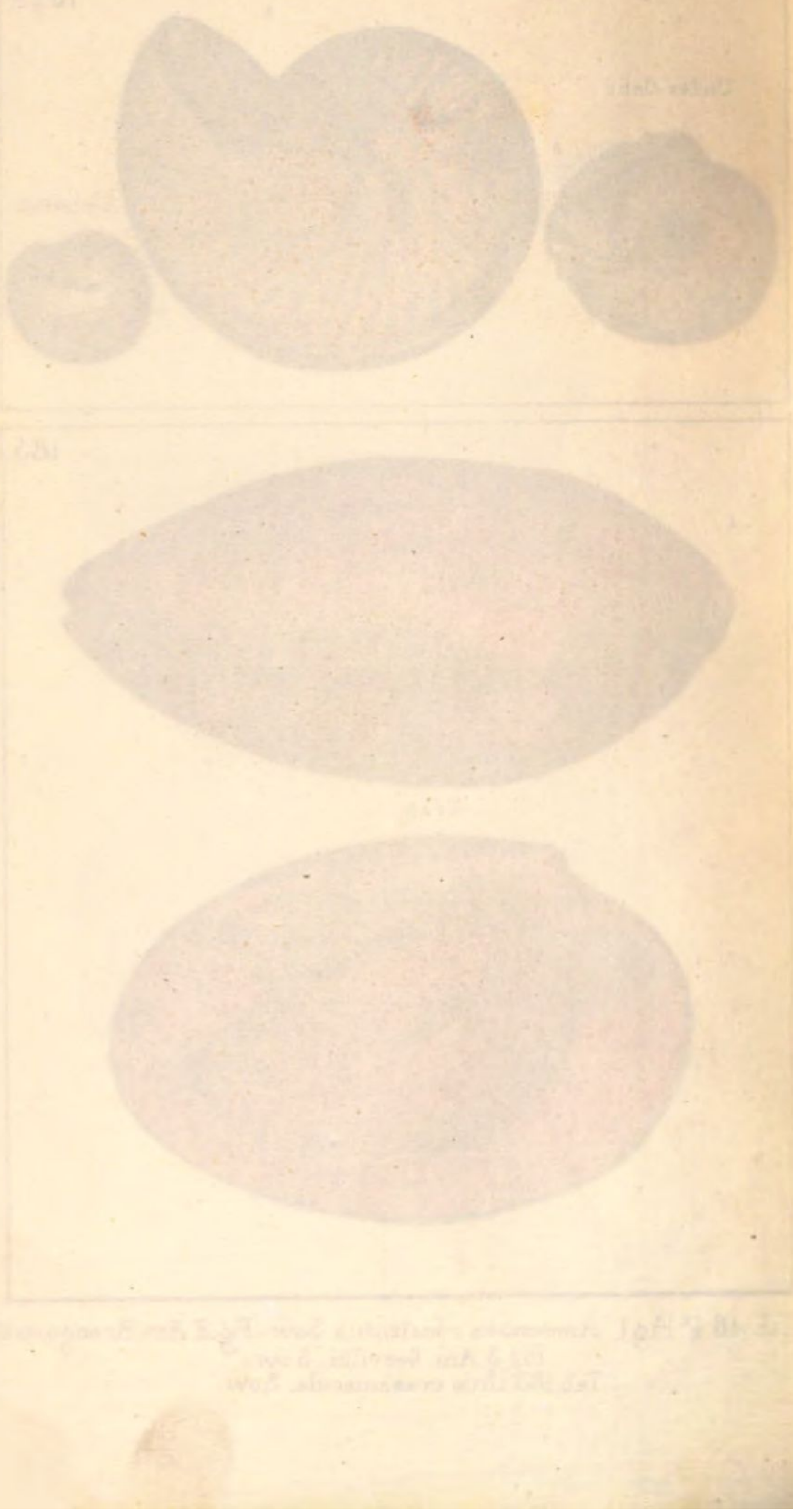


184.ª

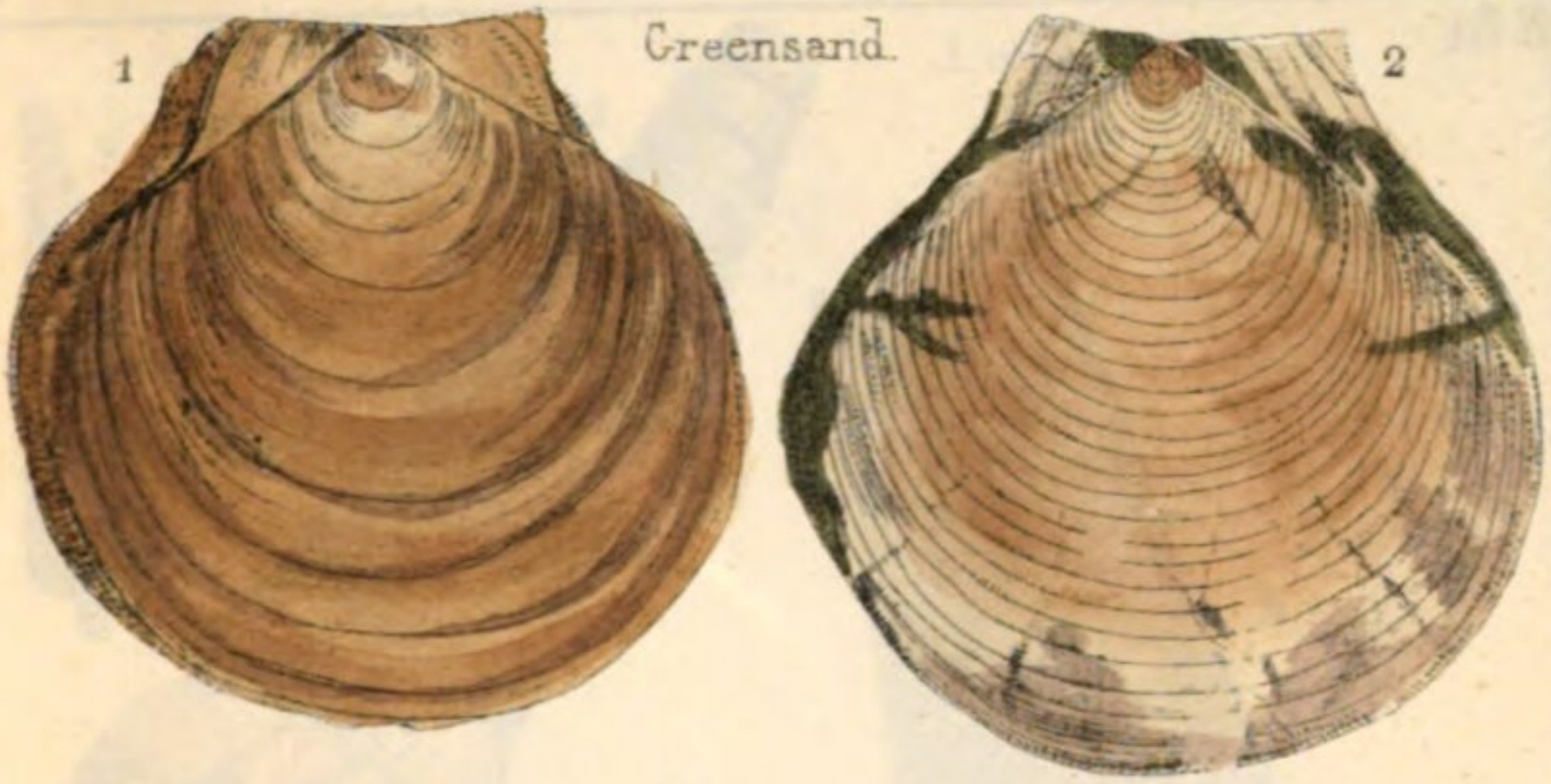
185.



Tab. 184ª Fig. 1 Ammonites constrictus Sow.- Fig. 2 Am. Brongniarti. Sow
Fig. 3 Am. Gervillii. Sow.-
Tab. 185. Unio crassiuscula. Sow.-



186.



187.

Tab. 186 Pecten orbicularis Sow.

Tab. 187. Fig. 1.2 Murex coniferus Sow. Fig 3.4. Murex regularis Sow.
Fig. 5.6.7 Murex carinella Sow.

London Clay

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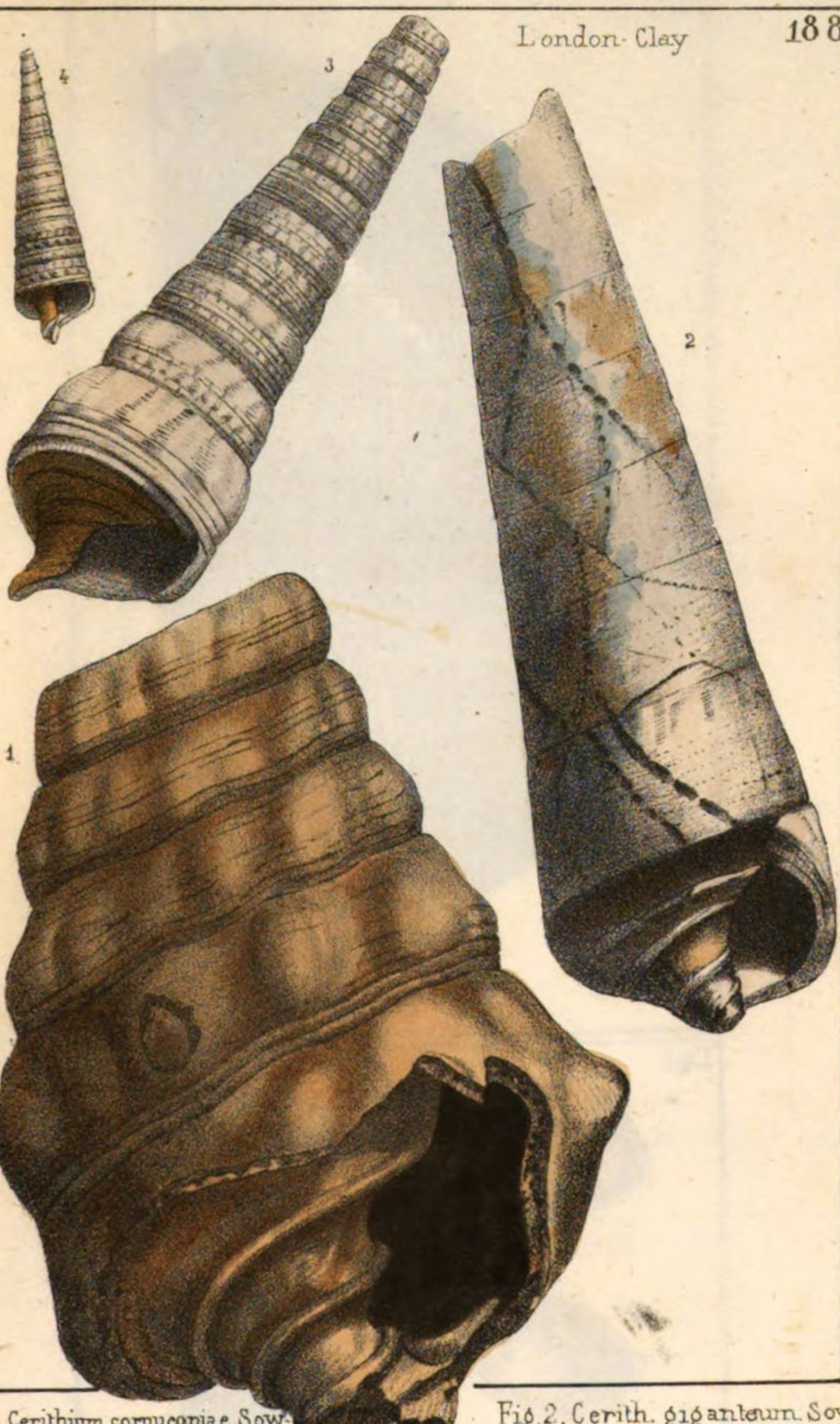

Fig. 1.3.4. Cerithium cornucopiae. Sow.

Fig. 2. Cerith. giganteum. Sow.

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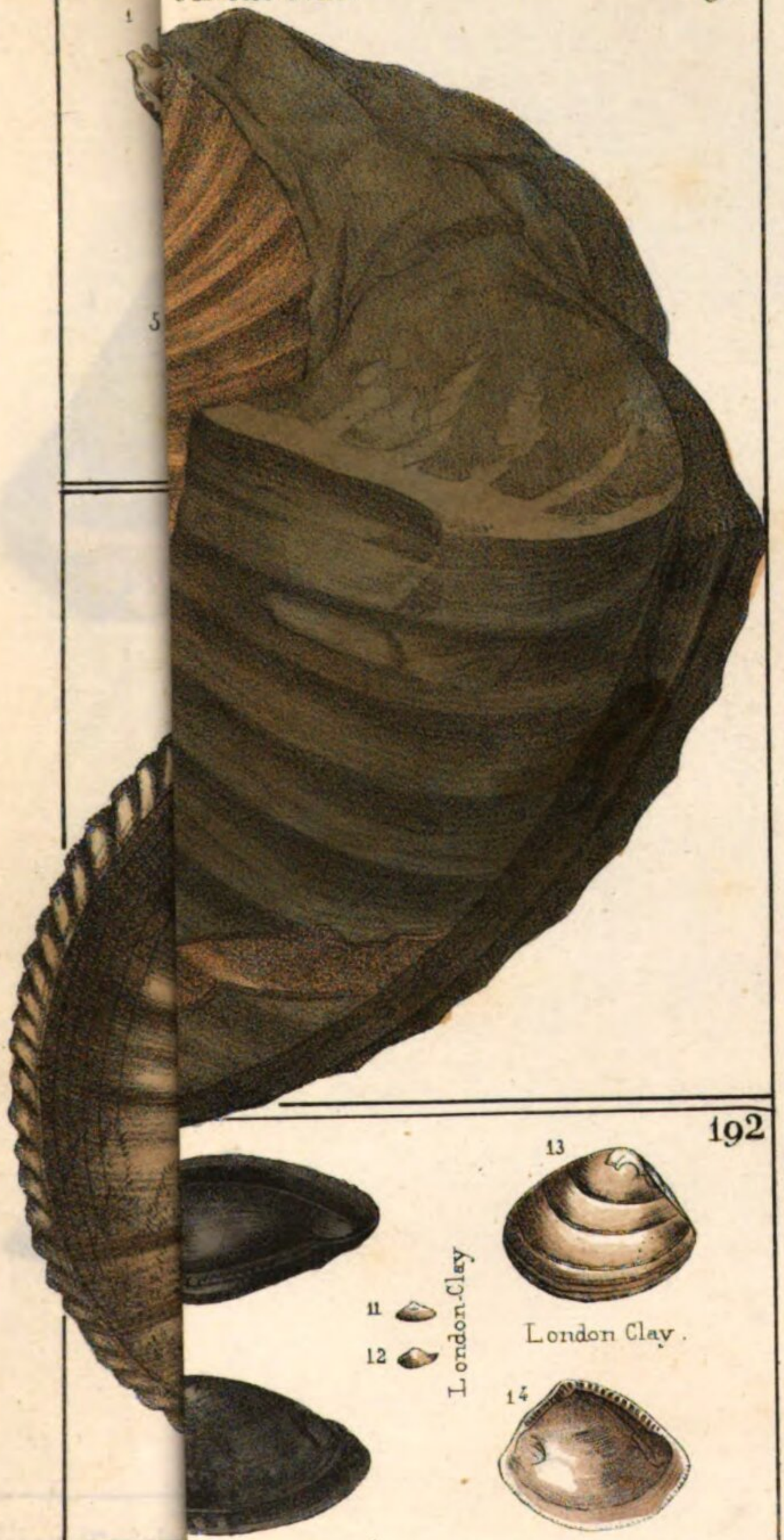
Juferior-Oolite



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Ta
Tab.192

w.- Tab.191. Ammonites Brooki. Sow.-
.3.9.10. Nuc. pectinata. Sow.- Fig.11.12. Nucula

193.

Jnferior-Oolite

Fig.1. Trochus punctatus. Sow.- Fig.2.3. 4 Troch. elongatus.Sow
Fig.5. Troch. abbreviatus. Sow.-

194.

Nautilus sinuatus. Sow.

129.

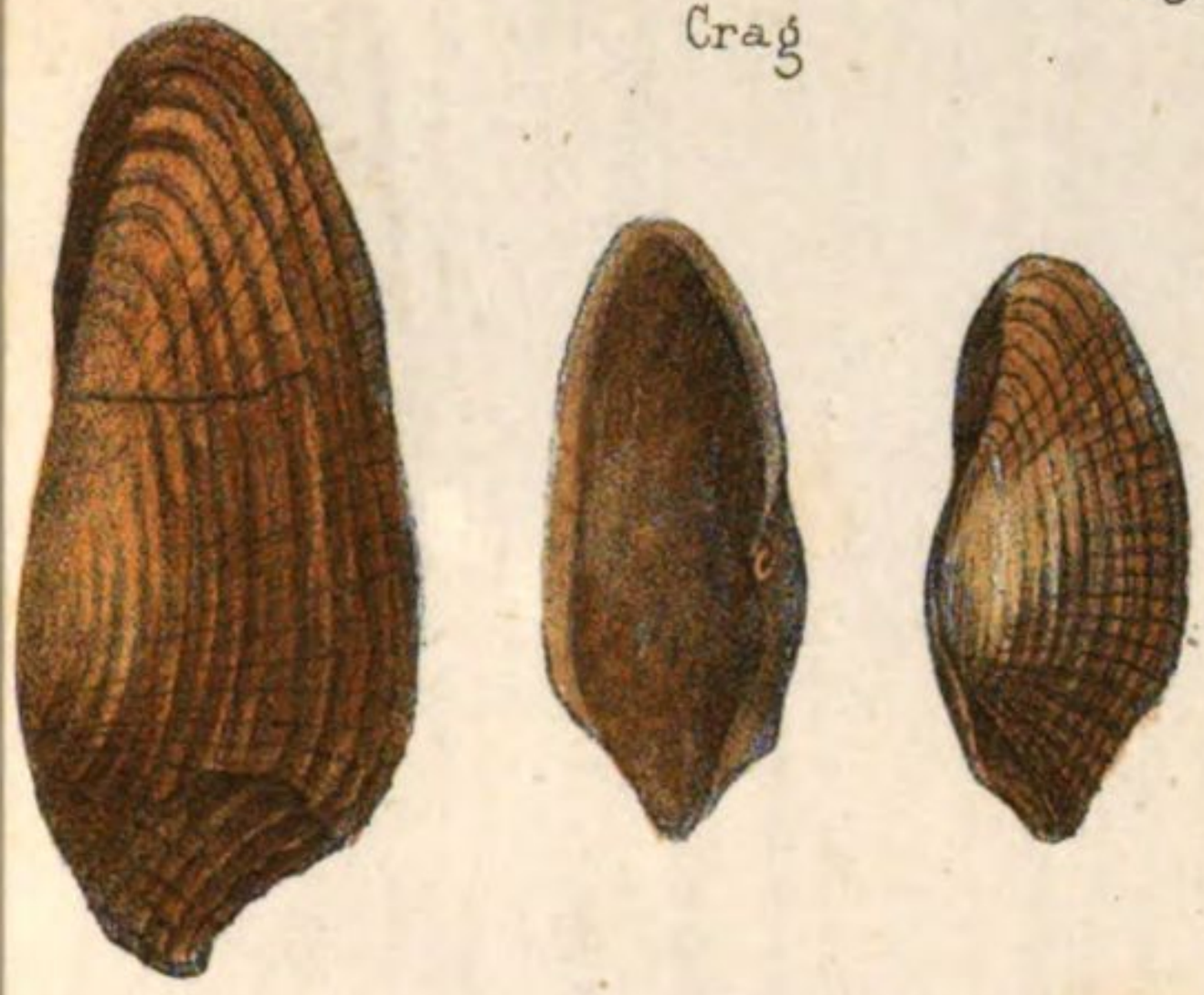
195.

196.

ow.-

198.

Crag



199

Crag

London-Clay.

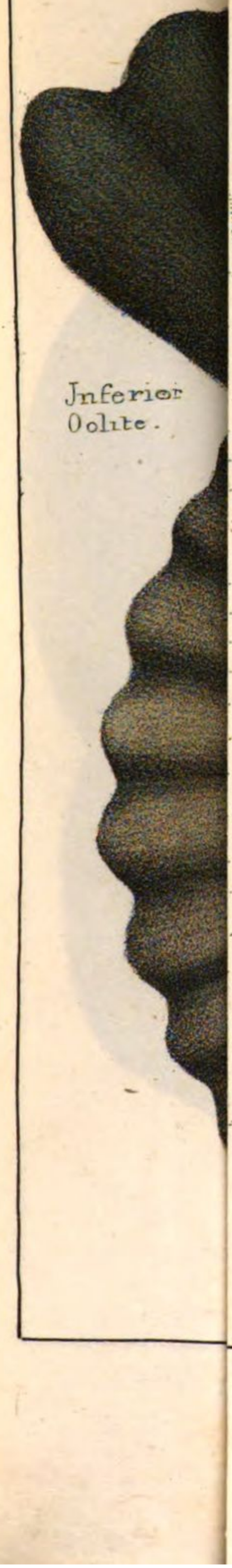
Crag.

London-Clay.

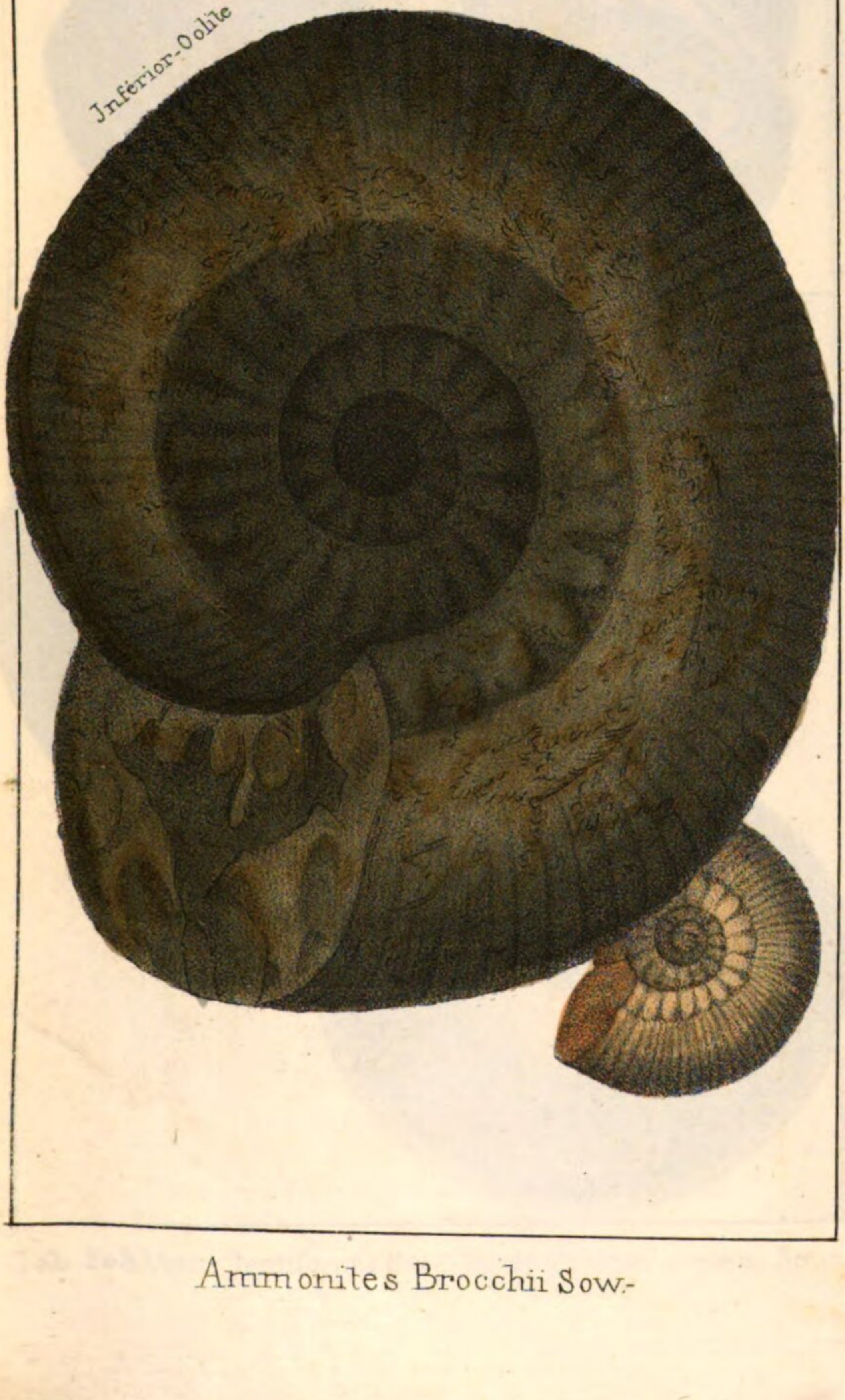
Crag.

Tab.197. Fea Sow.- Tab.198. Pholas cylindricus Sow.-
Tab.199. curtus. Sow.- Fig.9 M. gradatus. Sow.-

200


Jnferior
Oolite.

202

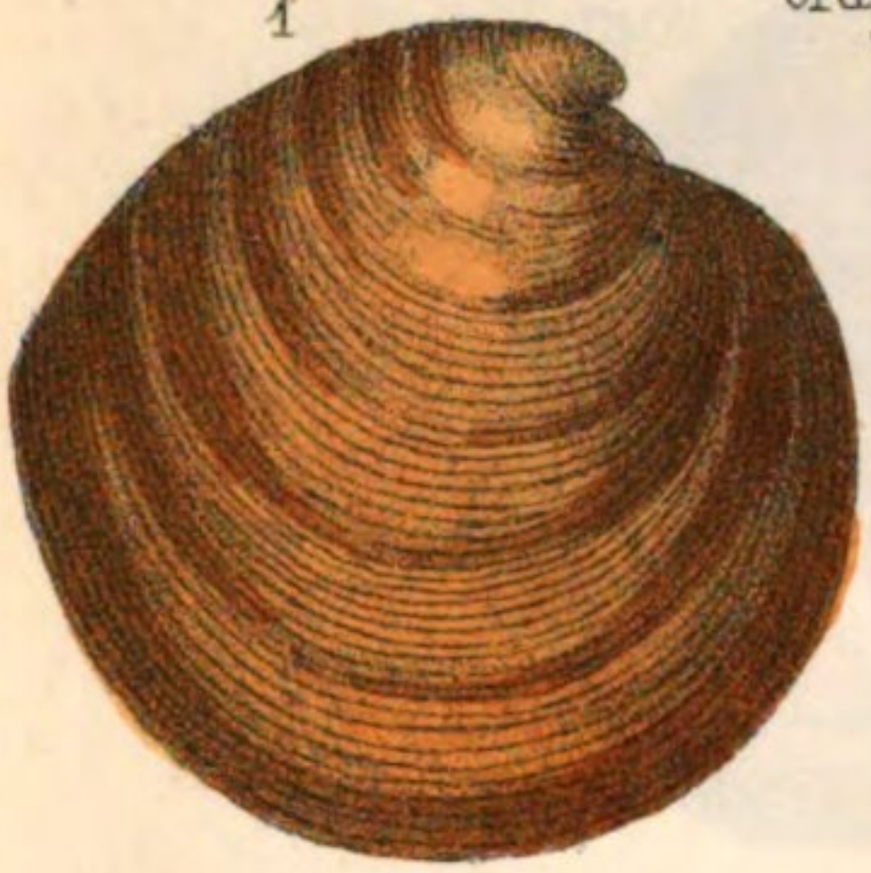


Ammonites Brocchii Sow.

203

Crag

1



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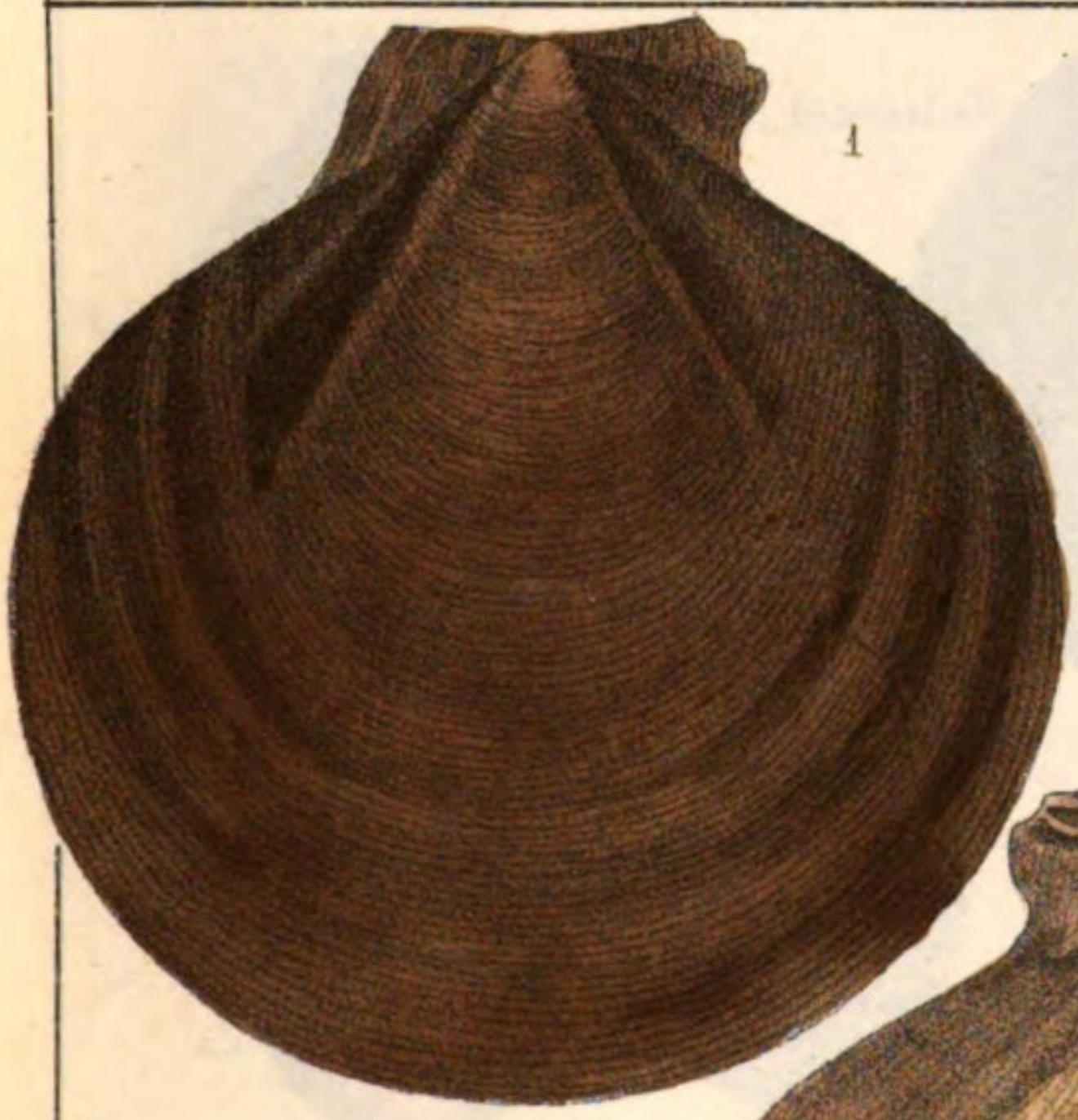
204



1

London-Clay

2

Tab. 203. Venus lentiformis. Sow. - Tab. 204. Pecten. corneus. Sow.

Fig.1 Pecten obscurus. Sow.-Fig.2..3 Pect.lens. Sow.-Fig.4. Pect laminatus. Sow
Fig.5.7. Pect arcuatus. Sow.-Fig.6. Pect. similis. Sow.-Fig. 8 Pect. rigidus. Sow.-

1

Inferior-Oolite

2

3

Greensand

4

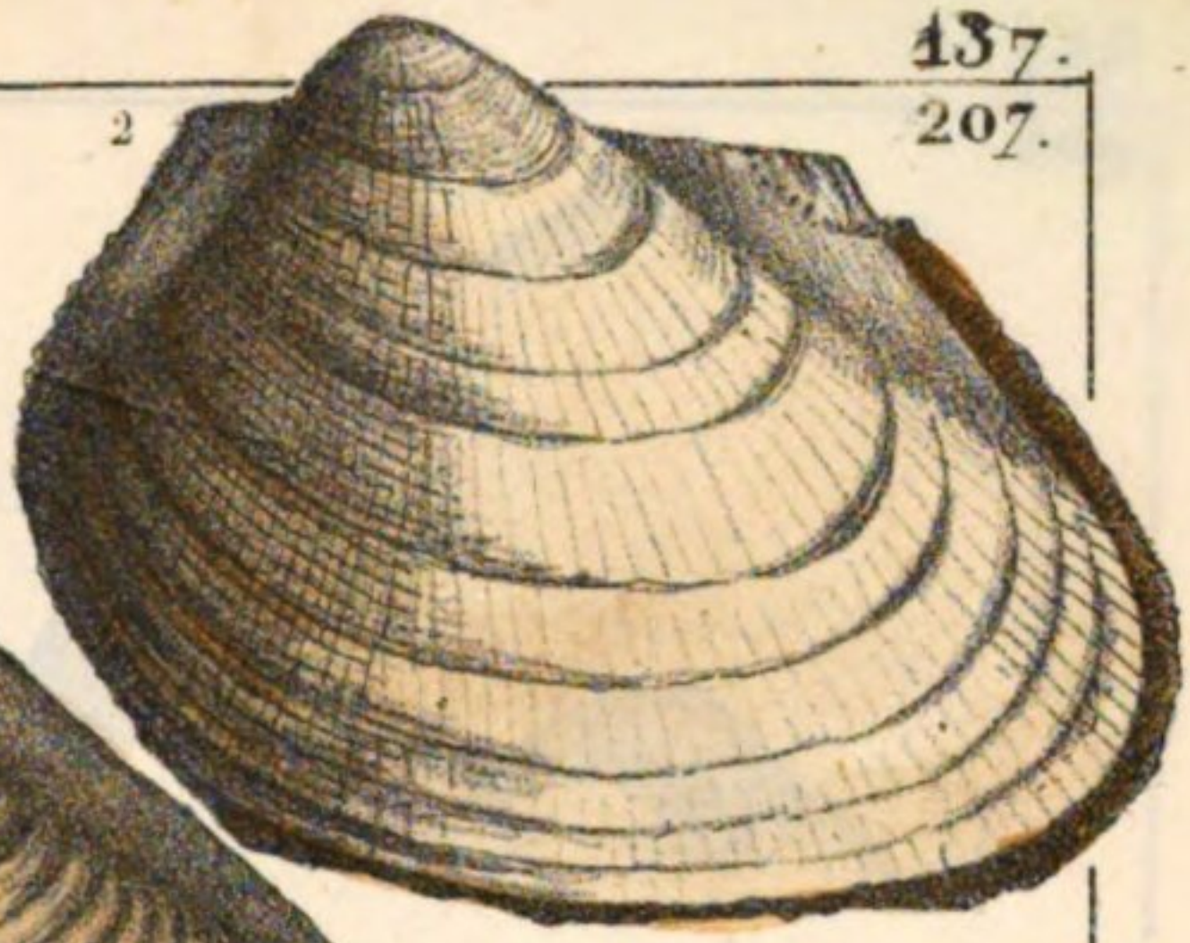
Fig 1 2. Cucullaea oblonga. Mill. Fig. 3. 4. Cucull. decussata. Park.

207.

Greensand

1

2



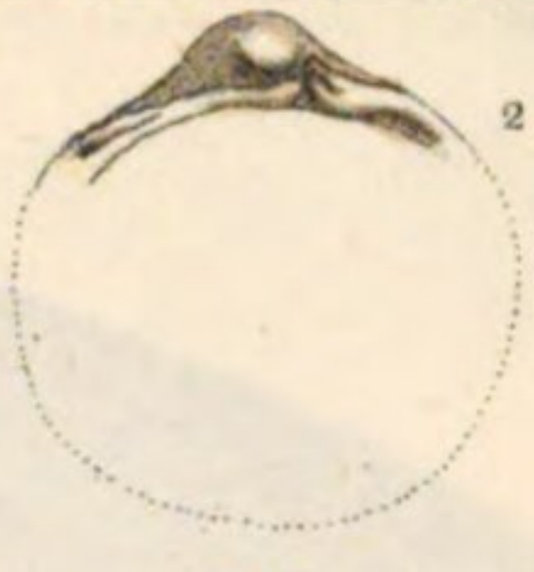
2 Greensand 208.

1

3

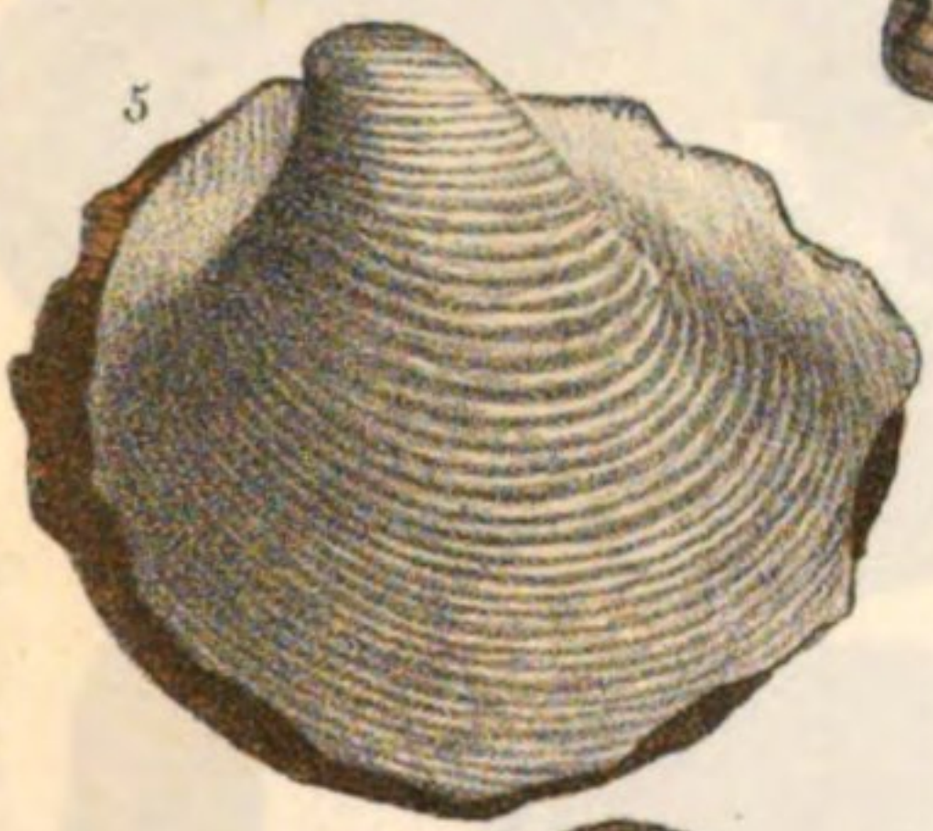
Tab. 207. Fig. 1. Cucullaea carinata. Sow. - Fig. 2. Card. fibrosa. Sow.
Tab. 208. Fig. 1. 2 Trigonia excentrica Park. - Fig. 3. Trig. affinis. Mill.

209



London-Clay.

Greensand.



London-Clay.

Fig. 1. 2 Corbula laevigata. Sow.- Fig. 3. Corb. globora. Sow.- Fig. 4 Corb. pisum. Sow.- Fig. 5. 6. 7. Corb. gigantea. Sow.- Fig. 8.-13. Corb. revoluta. Sow.-

210.

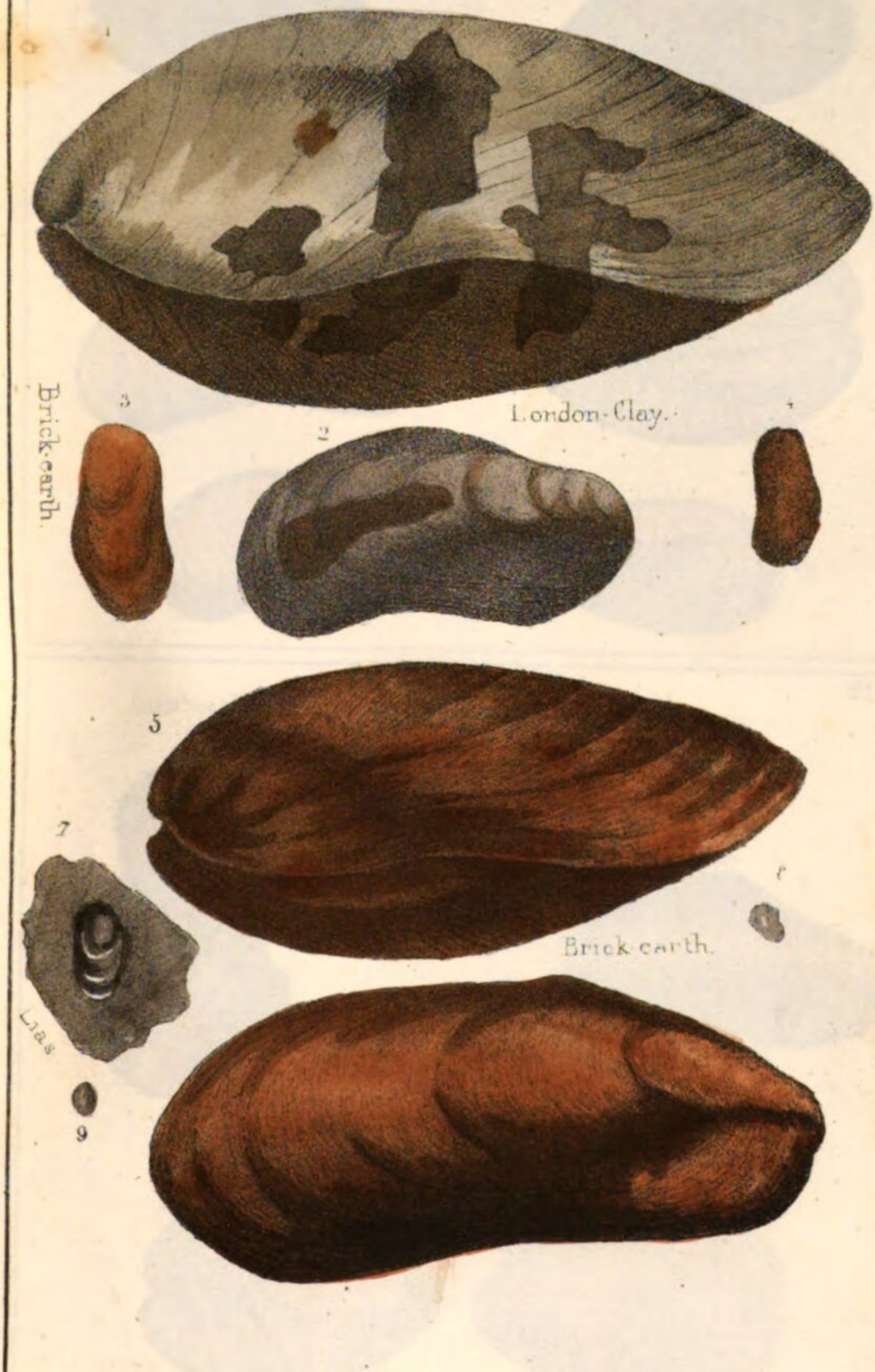
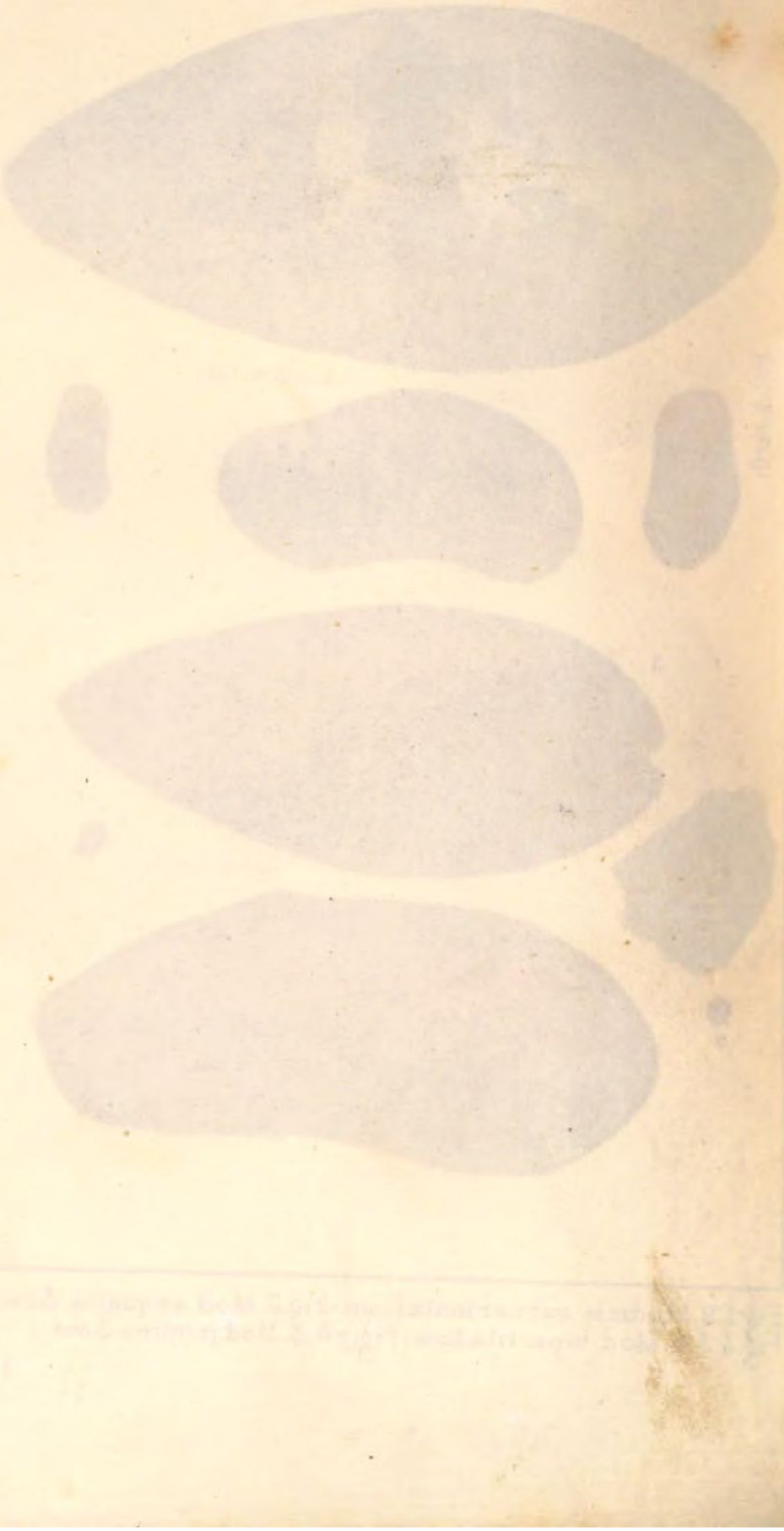
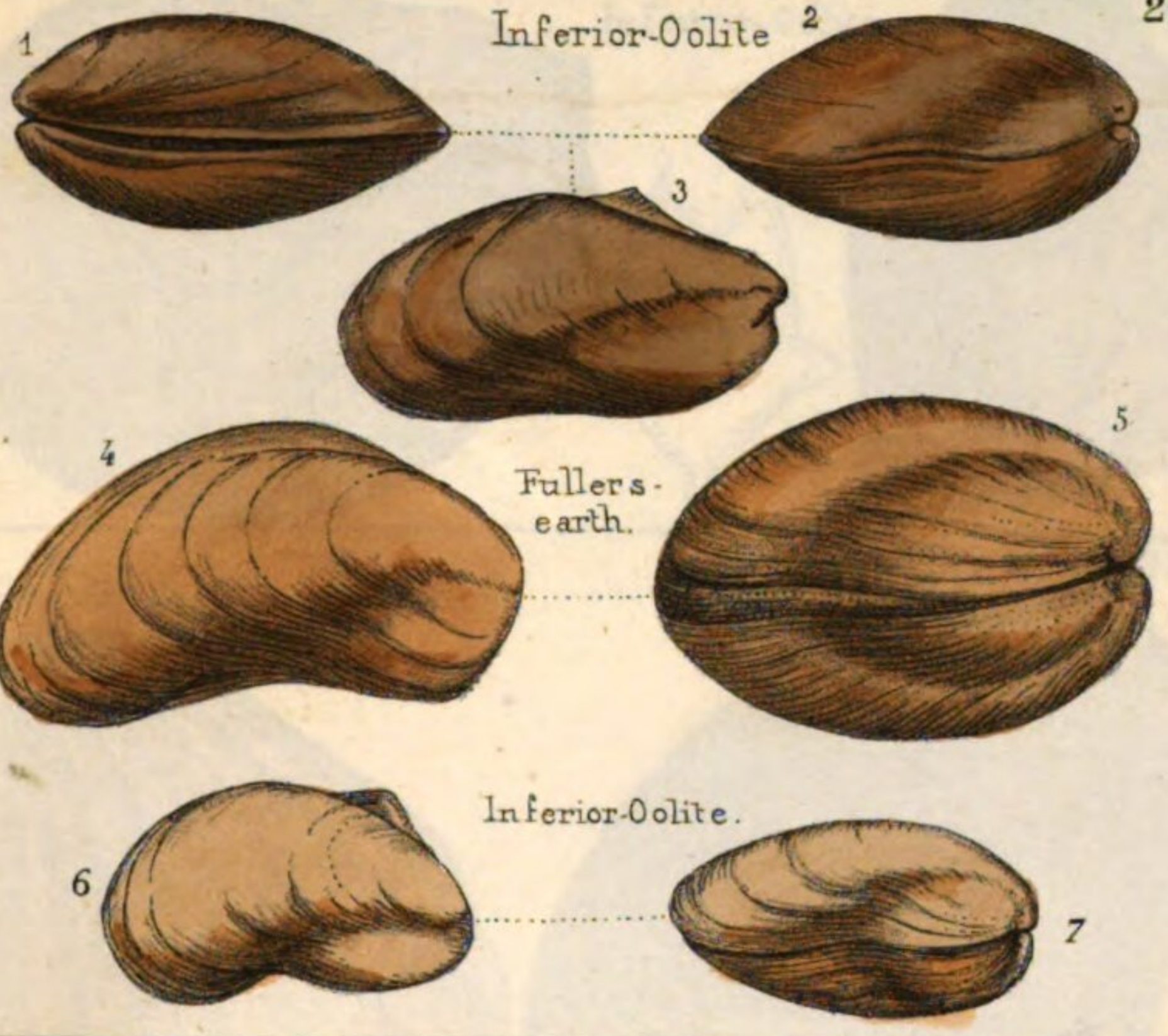


Fig. 1. 2. Modiola subcarinata Lam. - Fig. 3. Mod. aequalis. Sow. - Fig. 4. 5. 6. Mod. bipartita. Sow. - Fig. 7. 8. 9. Mod. minima. Sow



211.



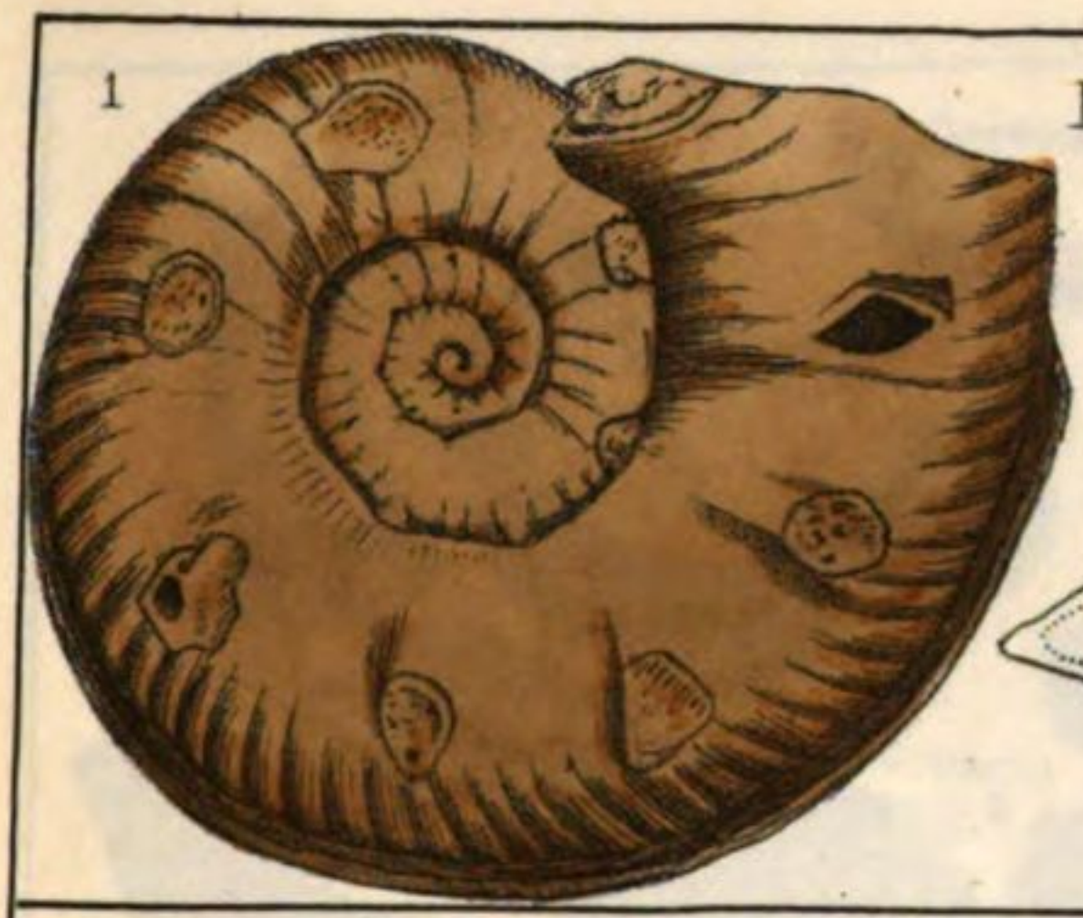
212.

Tab. 211. Fig. 1. 2. 3. Modiola cuneata. Sow. - Fig. 4. 5. Mod. gibbosa Sow. -
Fig. 6. 7. Mod. reniformis. Sow.
Tab. 212. Fig. 1. 2. Mod. imbricata. Sow. - Fig. 3. Mod. Hillana. Sow. -
Fig. 4. 5. 6. Mod. aspera Sow.

141.
213

Inferior-Oolite.

1



2

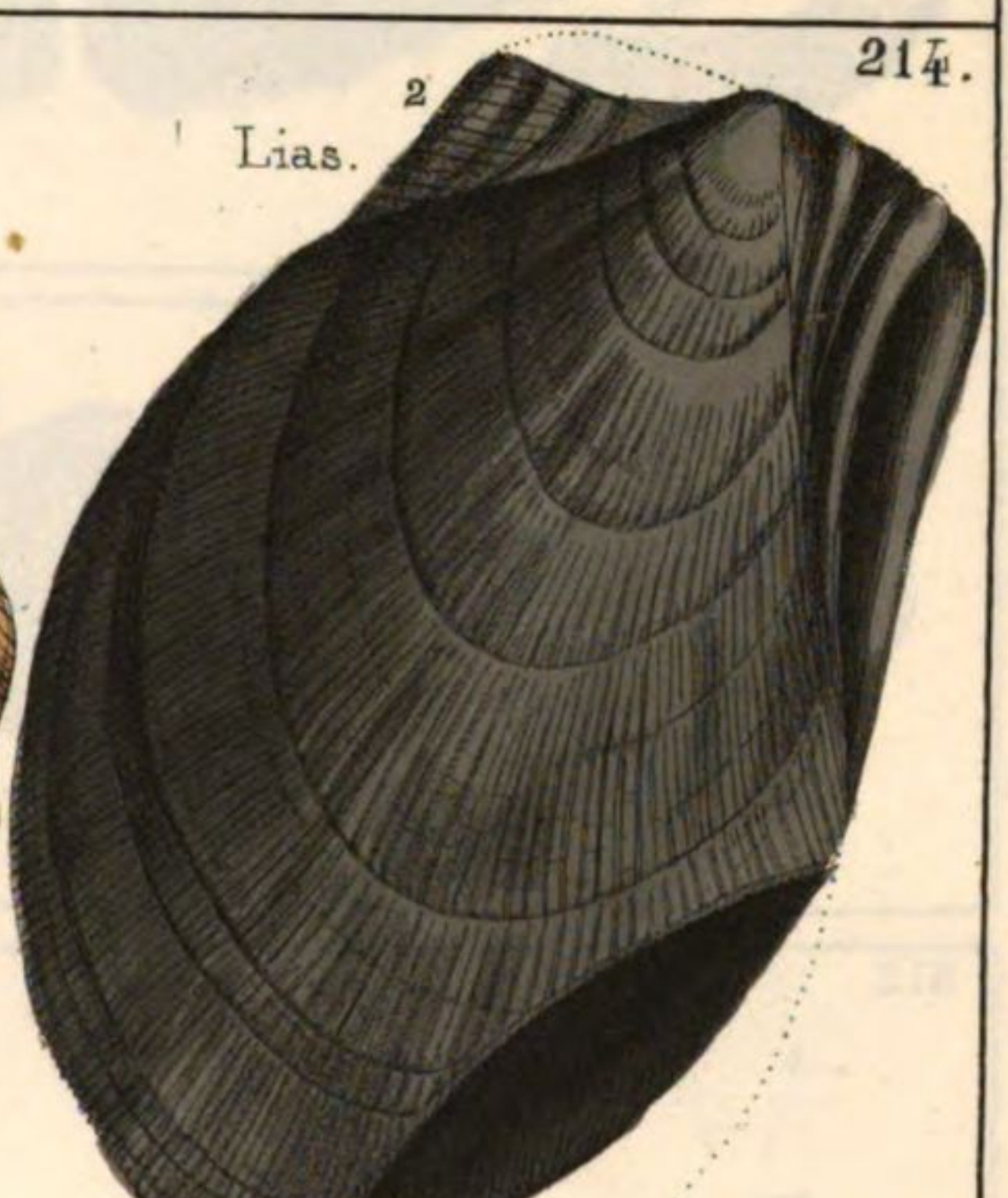
214.

Coralrag.

1

2

Lias.

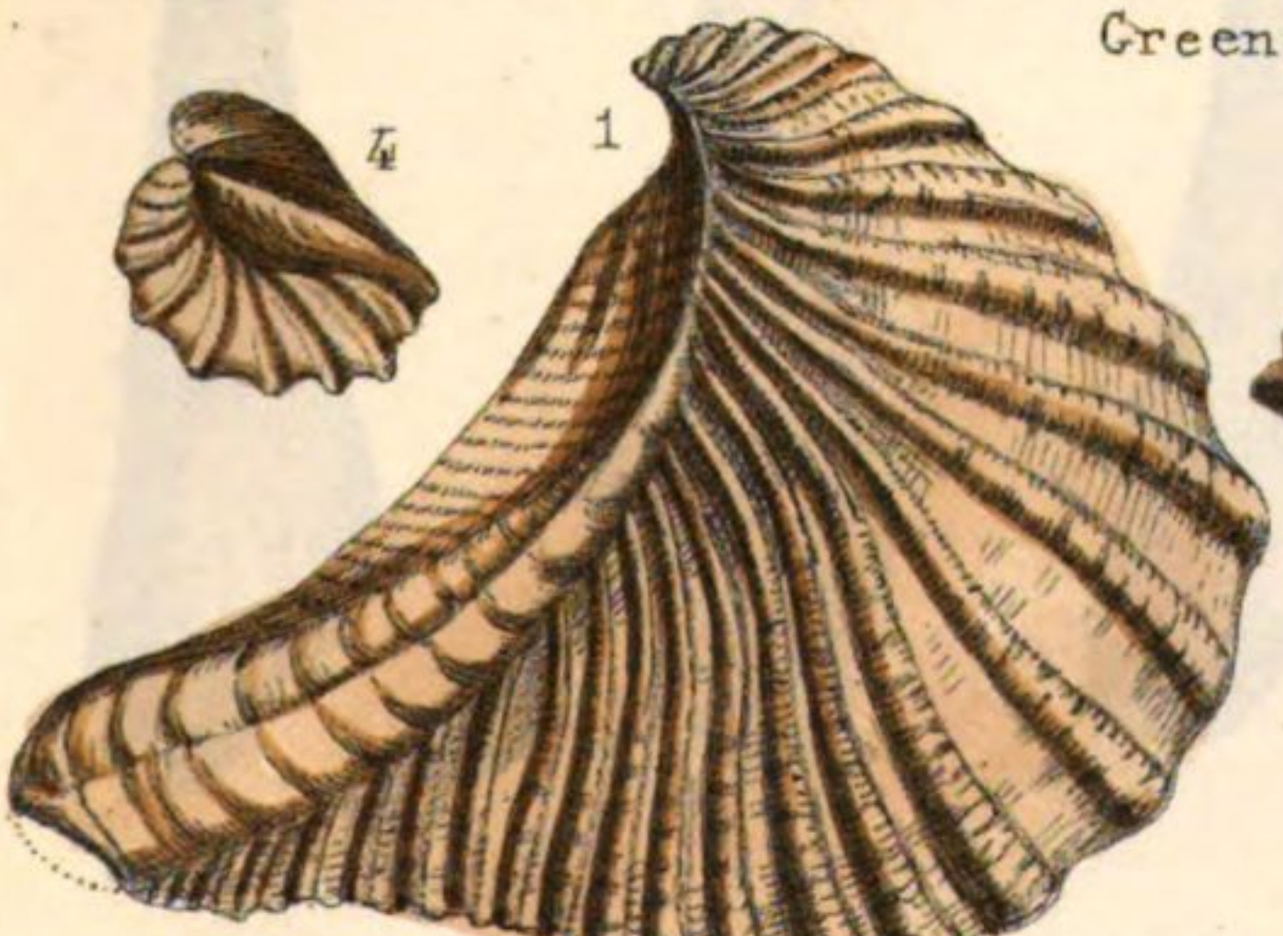


215.

Greensand

4

1



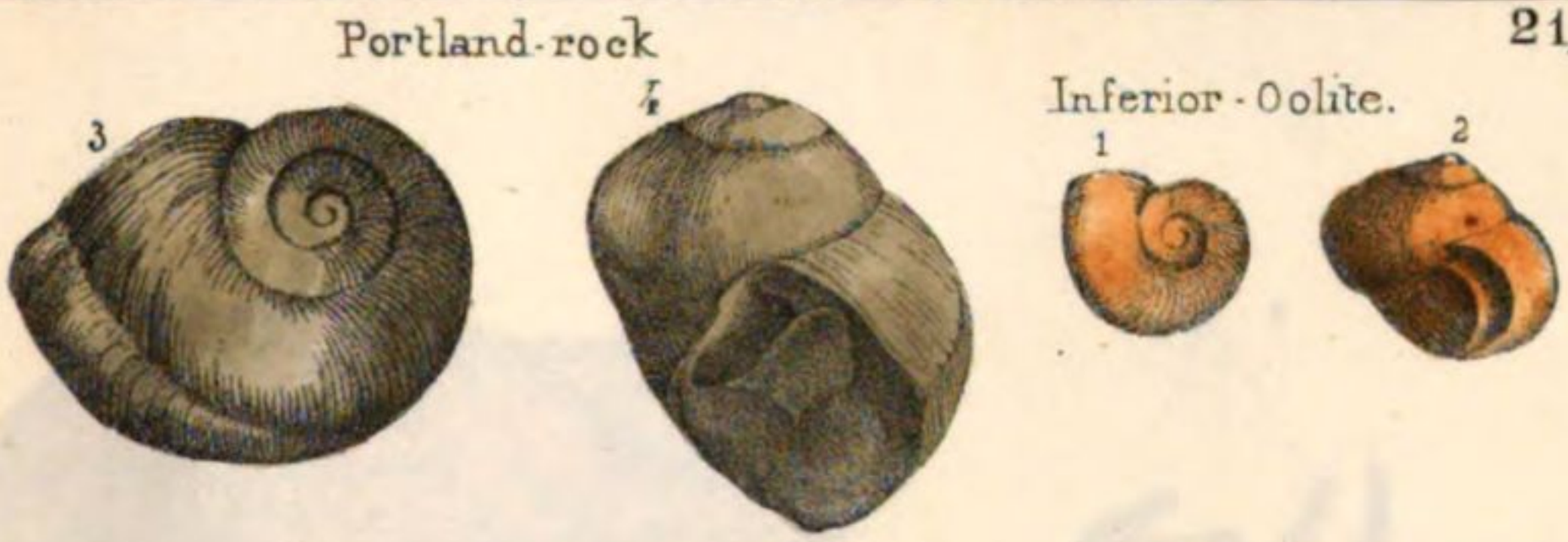
2

3

Tab. 213. Ammonites Sowerbyi Mill.
Tab. 214. Fig. 1. Lima rudis Sow. - Fig. 2. Lima antiquata. Sow.
Tab. 215. Trigonia aliformis. Sow.

216.

217.



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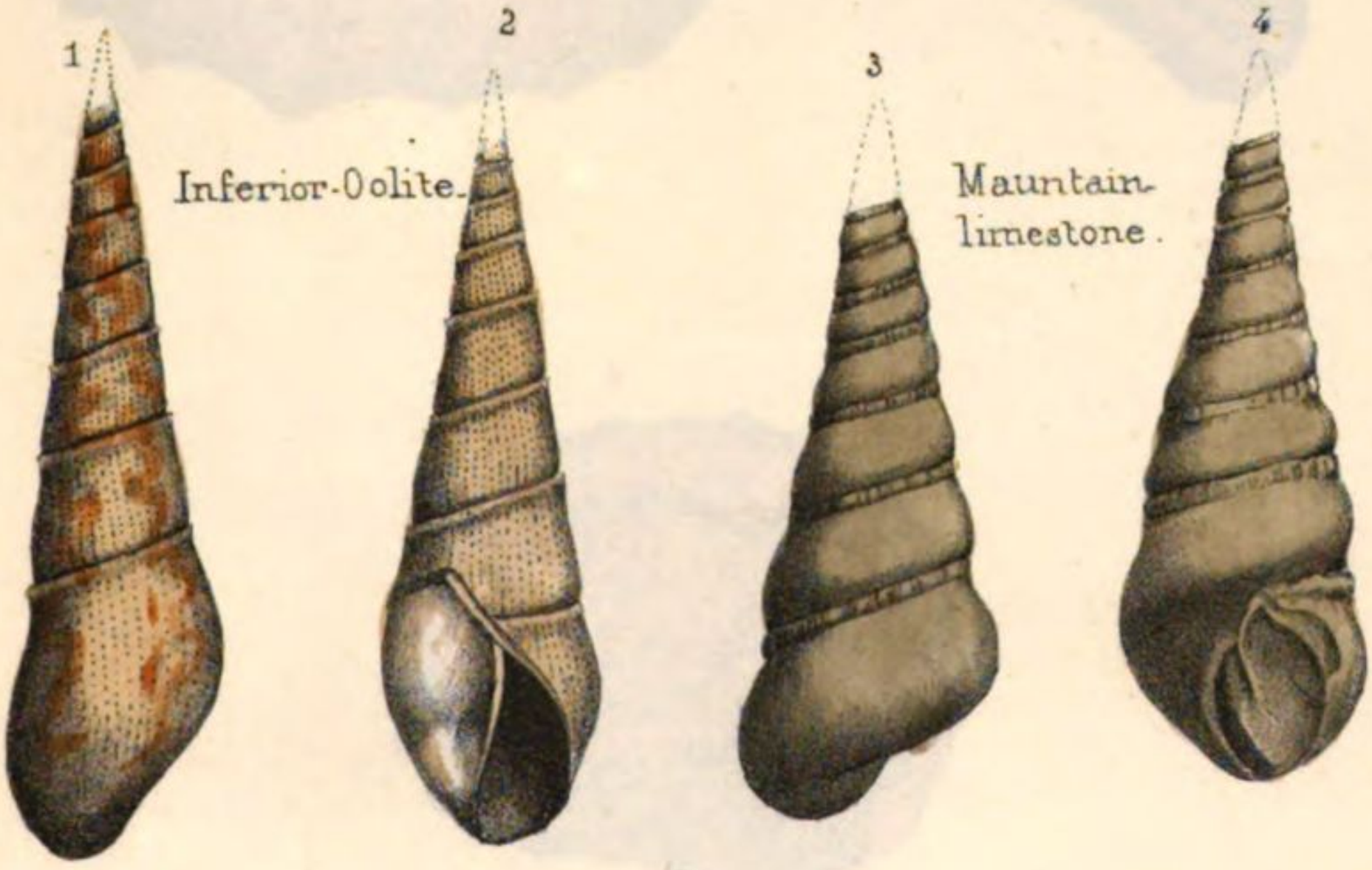

Tab. 216. Fig. 1. Hamites spinulosus Sow.- Fig. 2. Ham. spiniger Sow.- Fig. 3. Ham. nodosus. Sow.- Fig. 4. 5. Ham tuberculatus. Sow.- Fig. 6. Ham. turgidus. Sow.
Tab. 217. Fig. 1. 2. Nerita laevigata. Sow. Fig. 3. 4. Nerita sinuosa Sow.
Tab. 218. Fig. 1. 2. Melania lineata. Sow.- Fig. 3. 4. Melania constricta. Sow.

Inferior Oolite.

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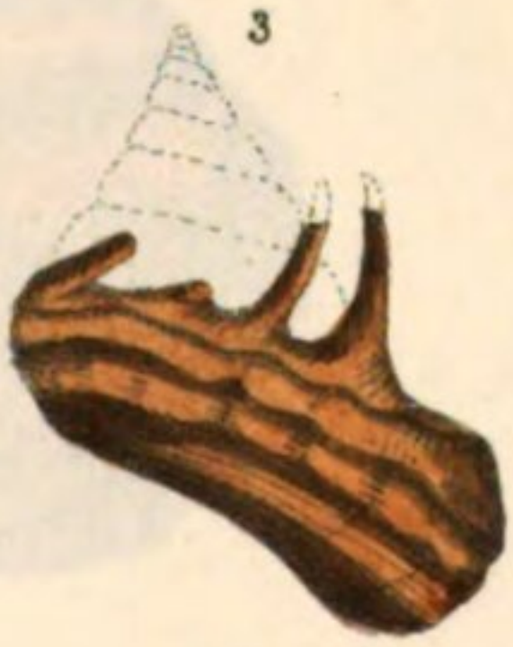

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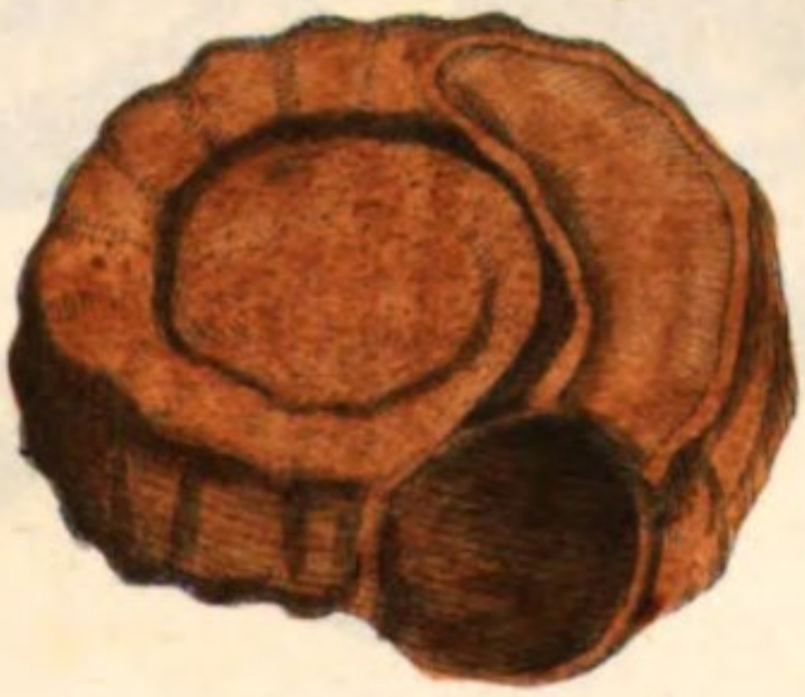
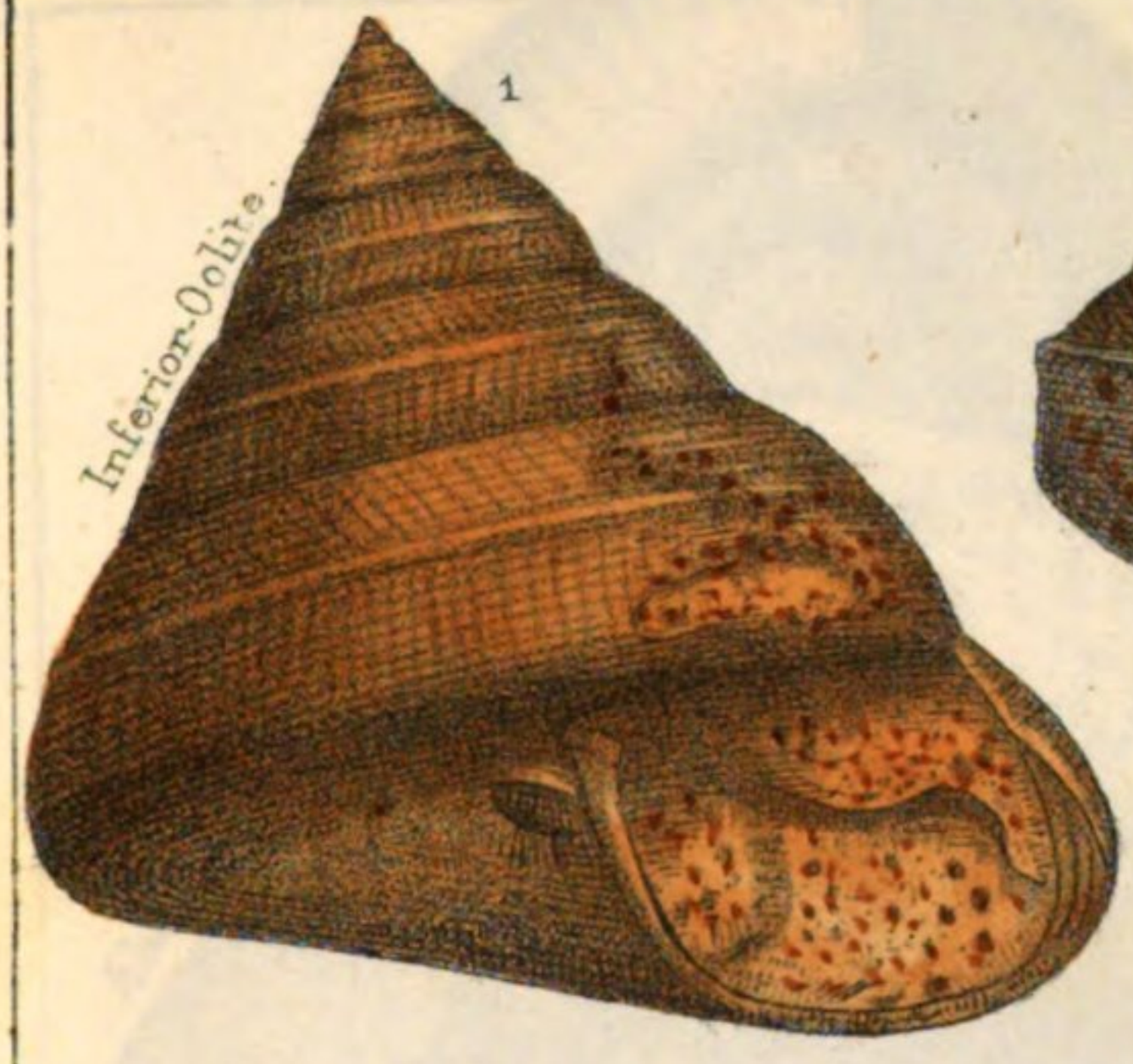


Fig. 1.2.4 Cirrus nodosus Sow.- Fig. 3 Cirrus Leachi Sow.-

220.



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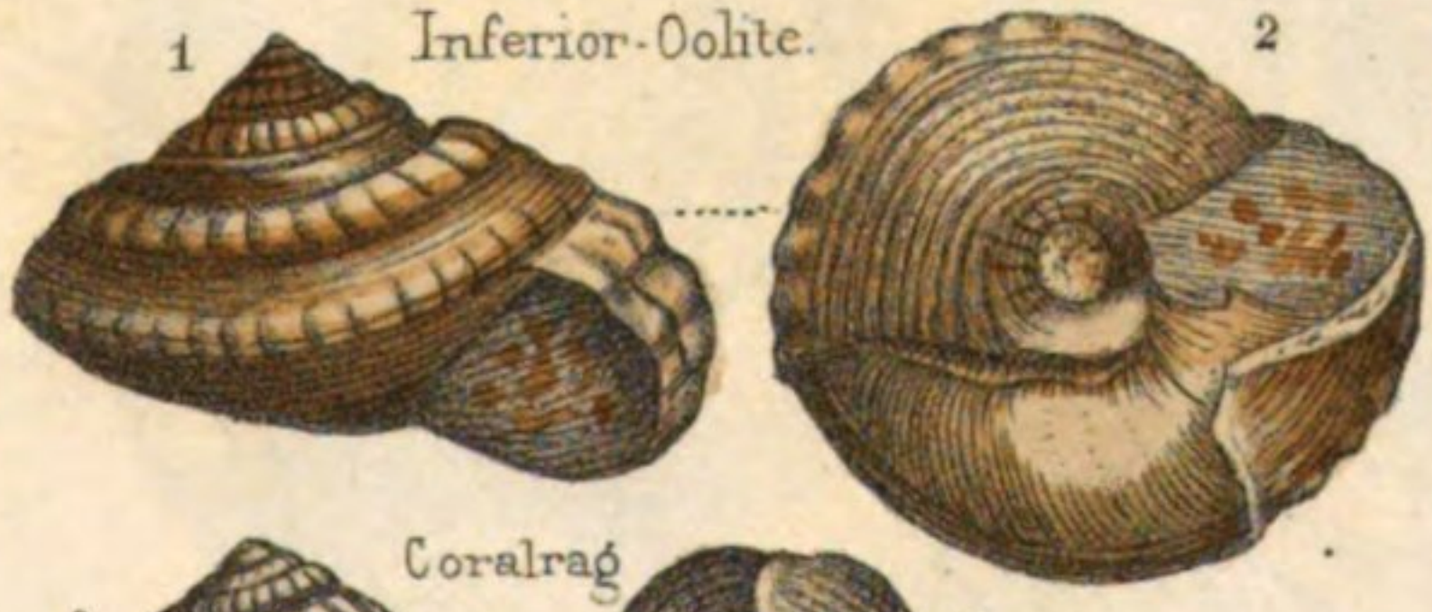
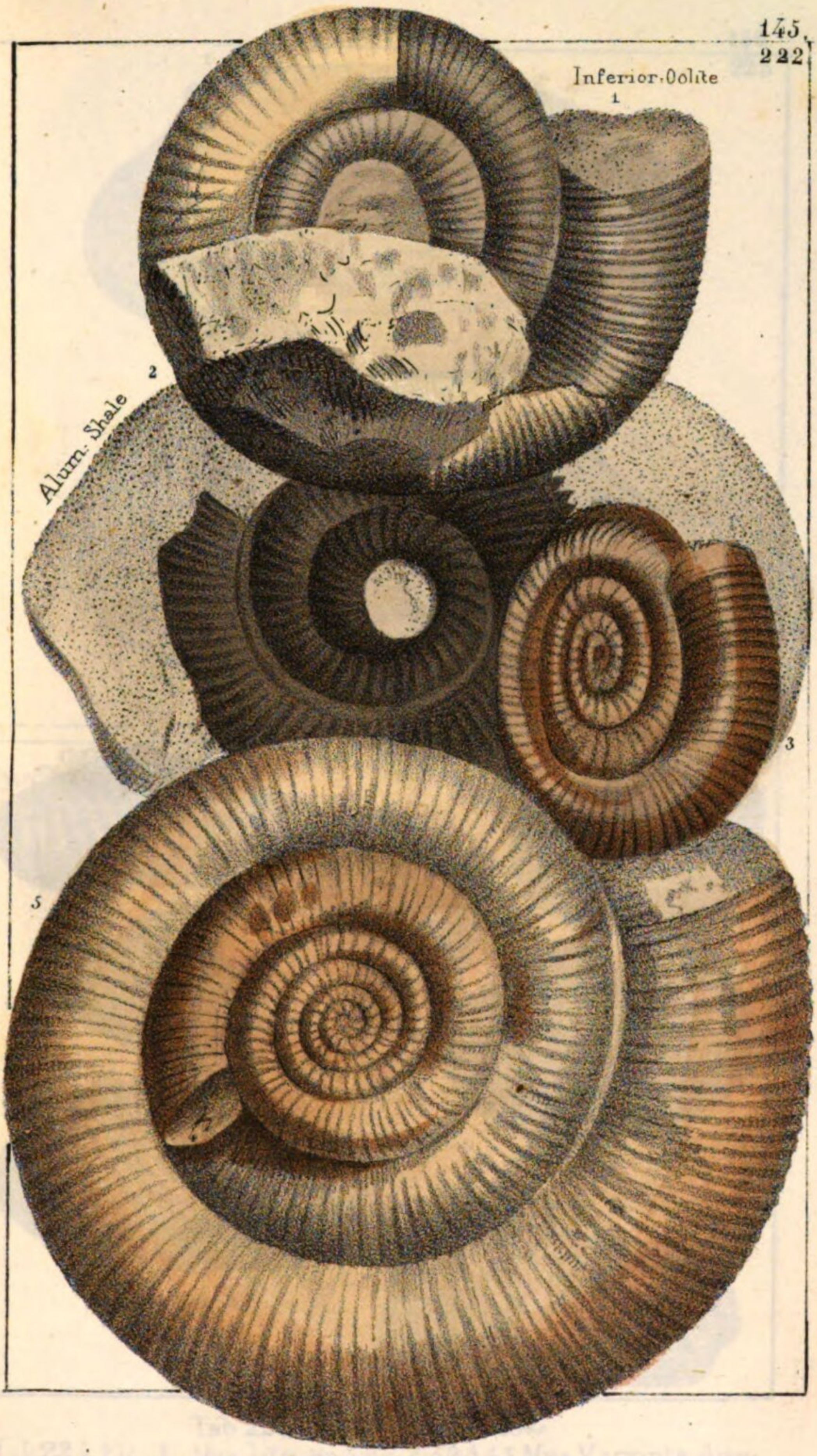
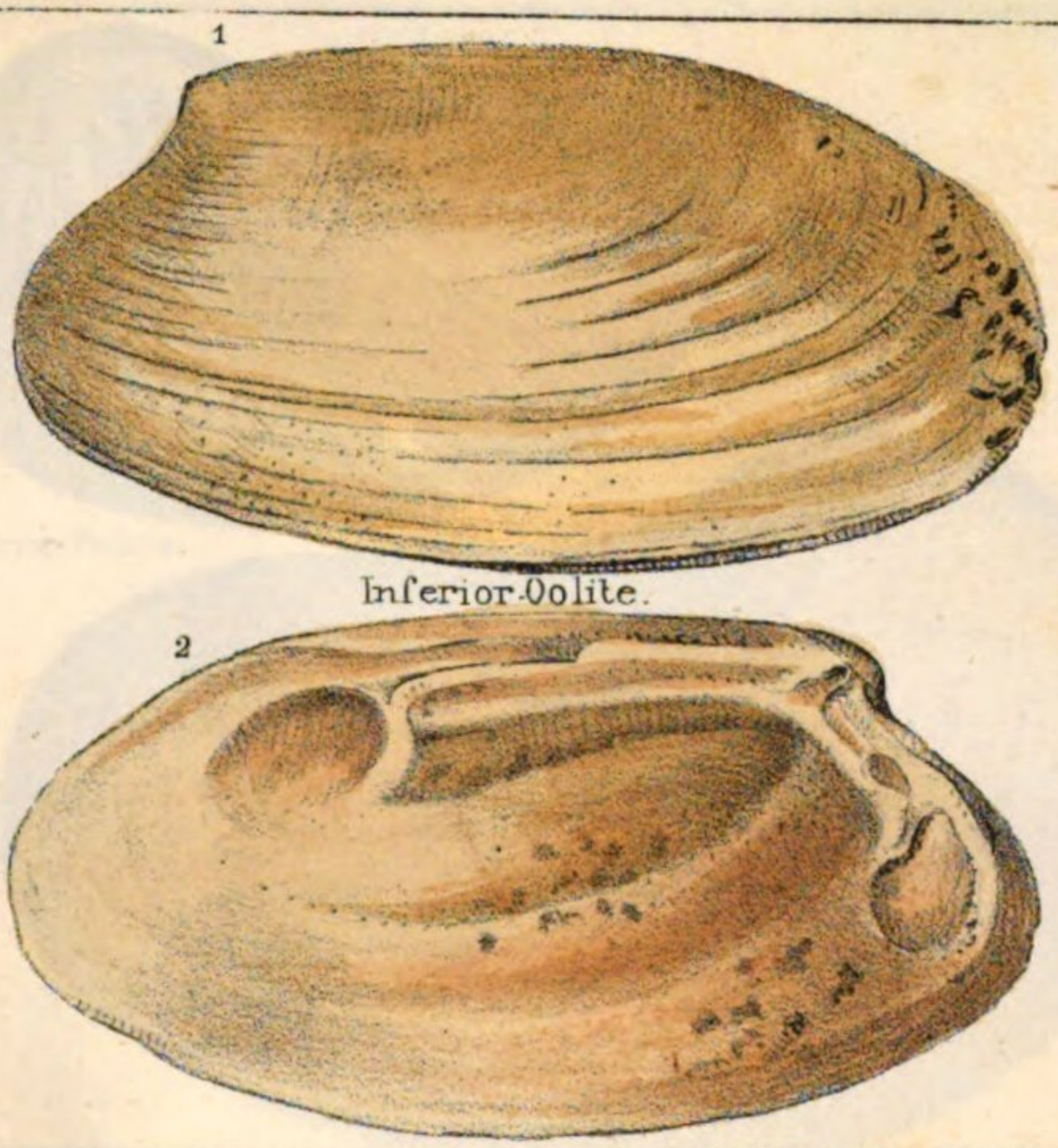
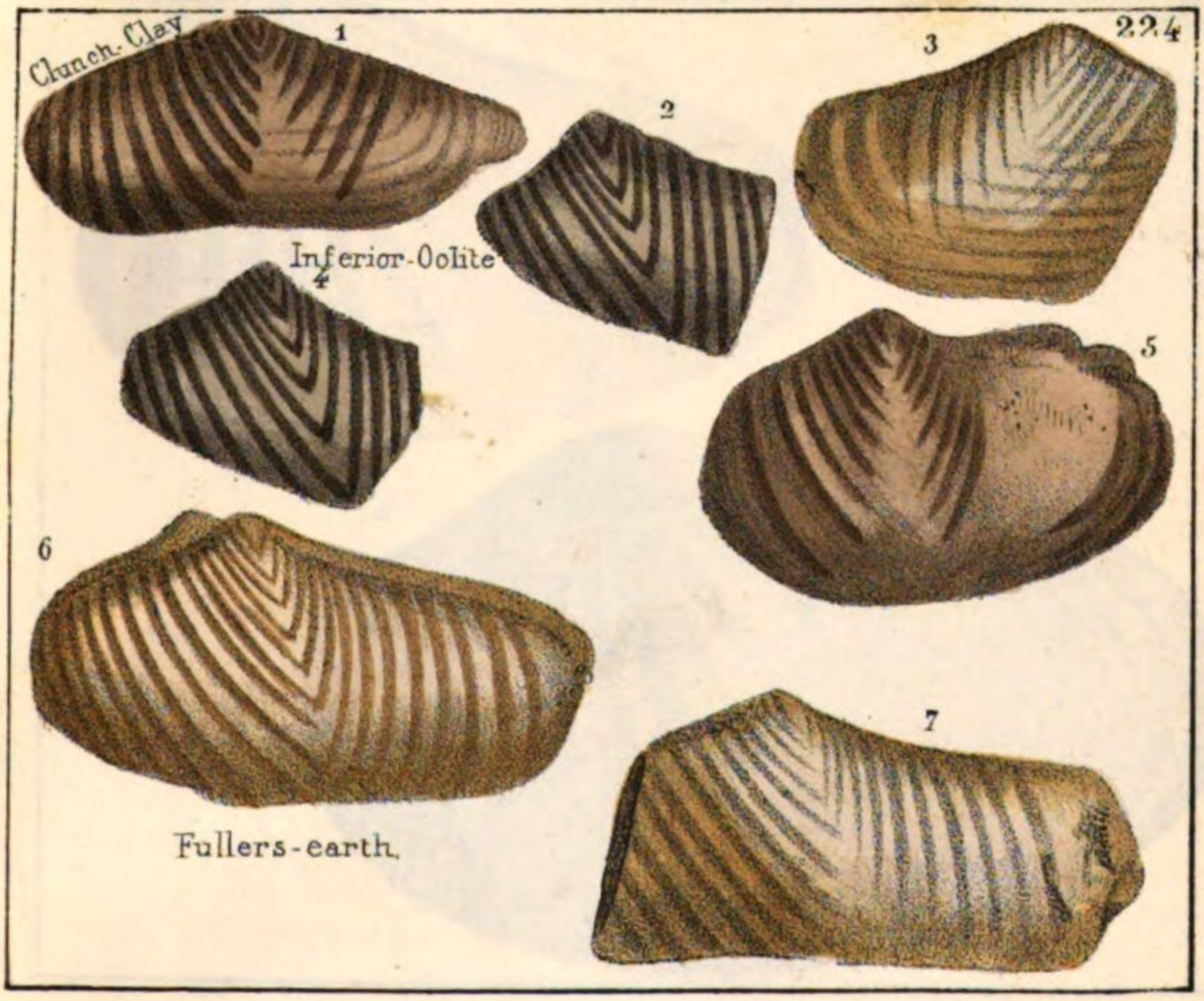


Tab. 220. Fig. 1 Trochus fasciatus Sow.- Fig. 2.3. Trochus granulatus. Sow.-
Fig. 4.5 Trochus sulcatus Sow.-
Tab. 221. Fig. 1.2 Trochus ornatus. Sow.- Fig. 3.4. Troch. bicarinatus Sow.-



Ammonites annulatus Sow.





Tab. 223 Unio concinnus. Sow.

Tab. 224. Fig. 1. Mya literata Sow.- Fig 2.3.4.5 Mya V scripta. Sow.- Fig. 6.7. Mya angulifera Sow.

1

2

Inferior-Oolite.

Cornbrash.

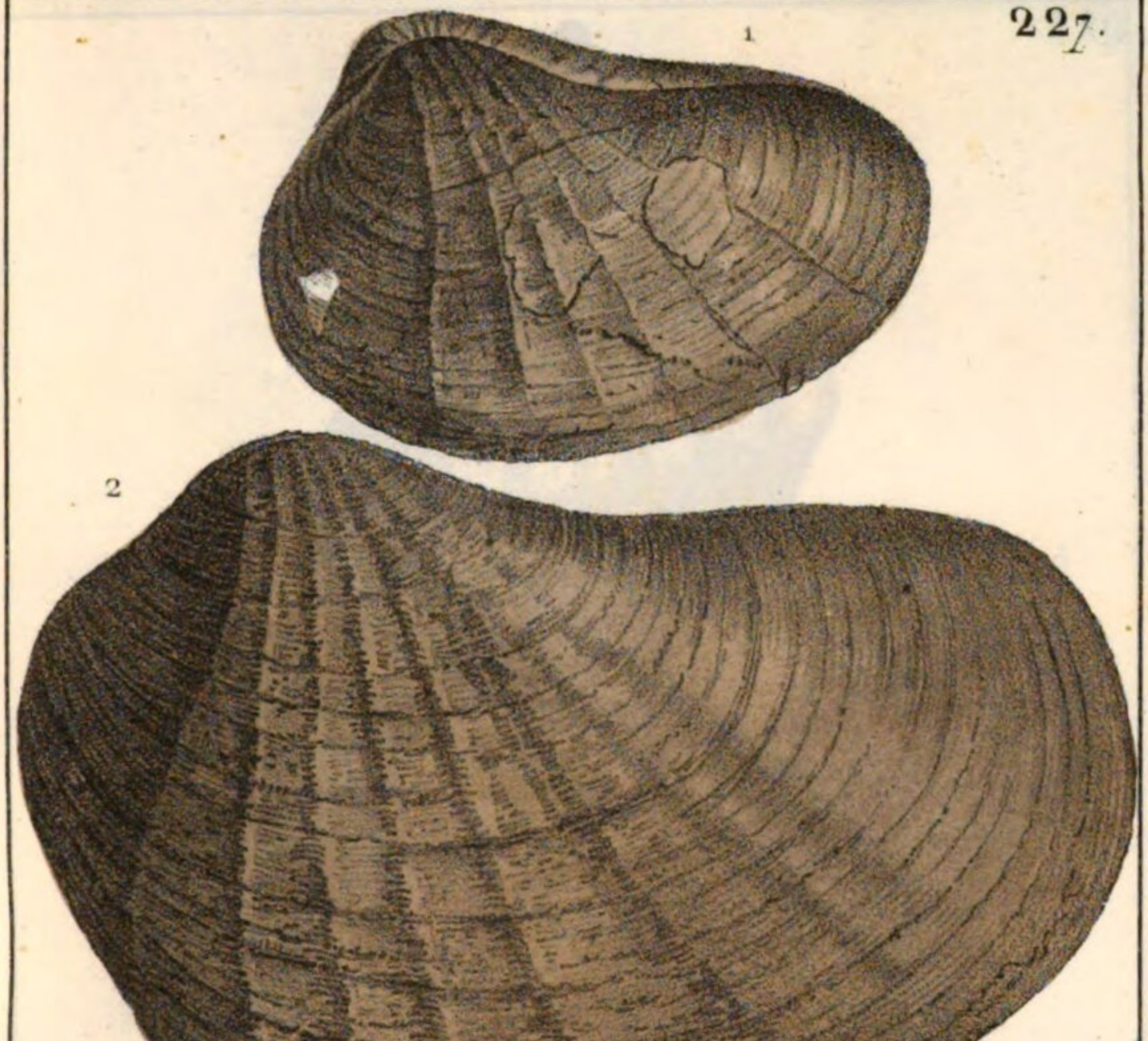
1

Portland rock.

2

Tab. **225**. Lutraria lirata. Sow.
Tab. **226**. Lutraria ovalis. Sow.

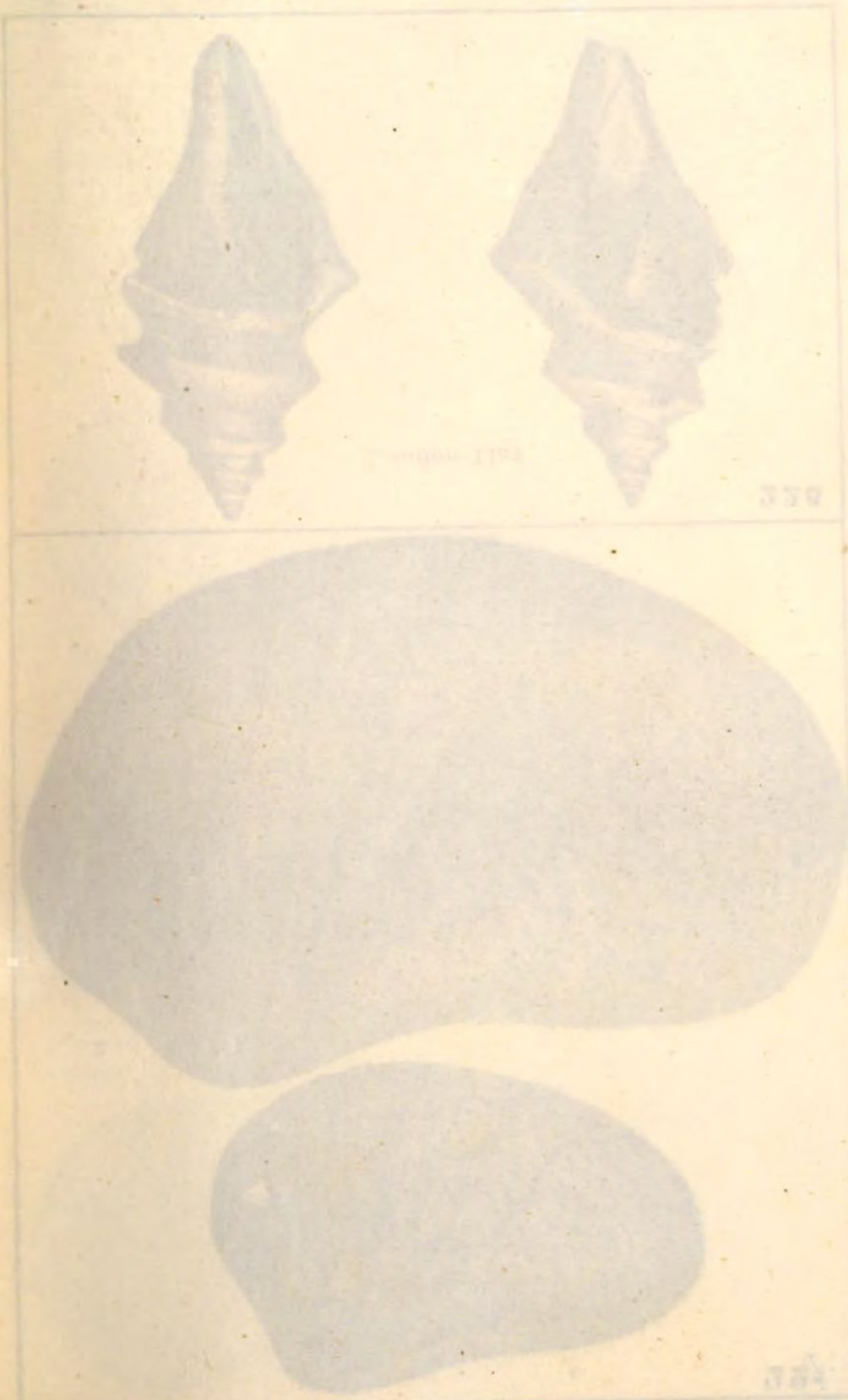
227.

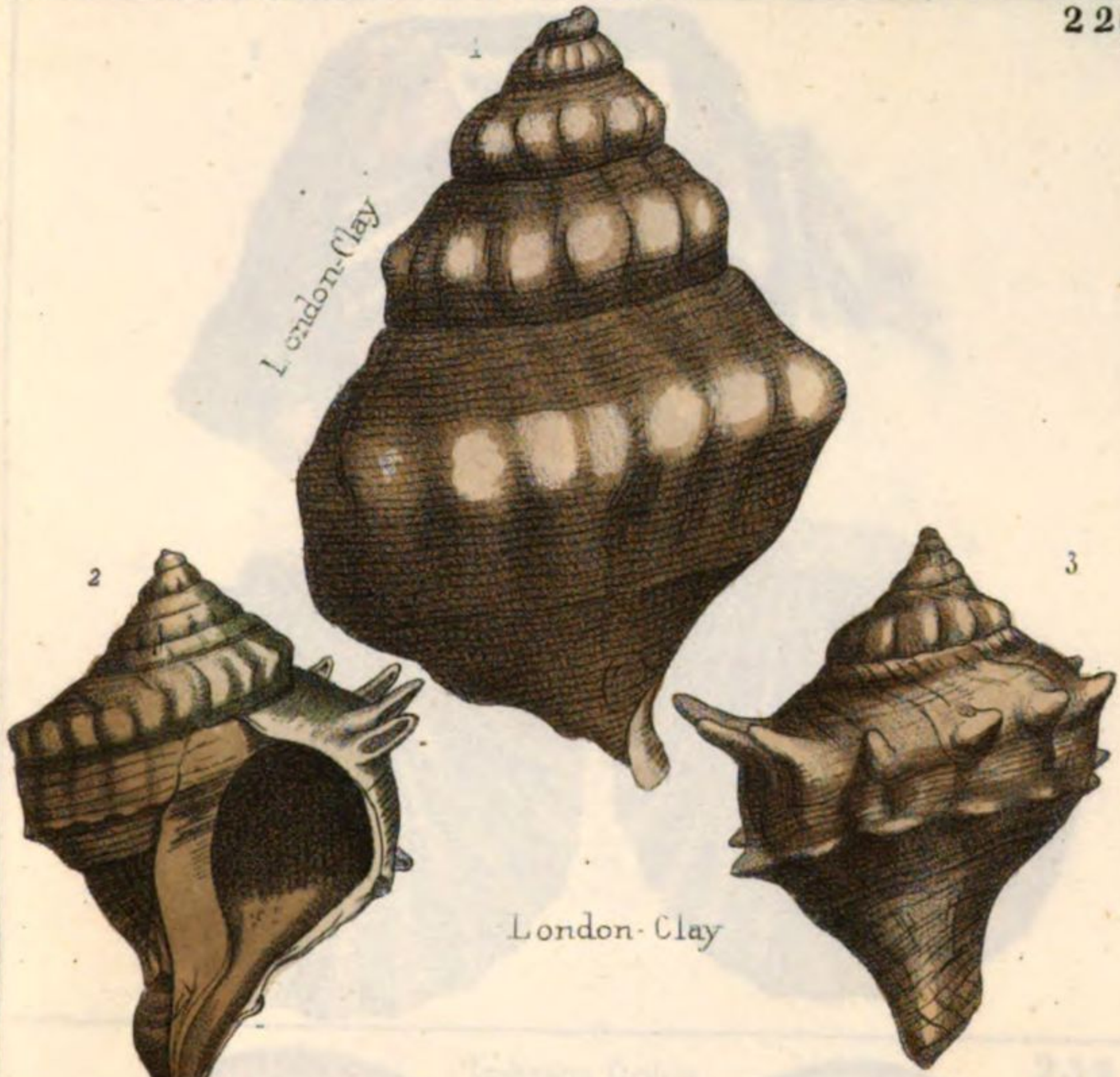


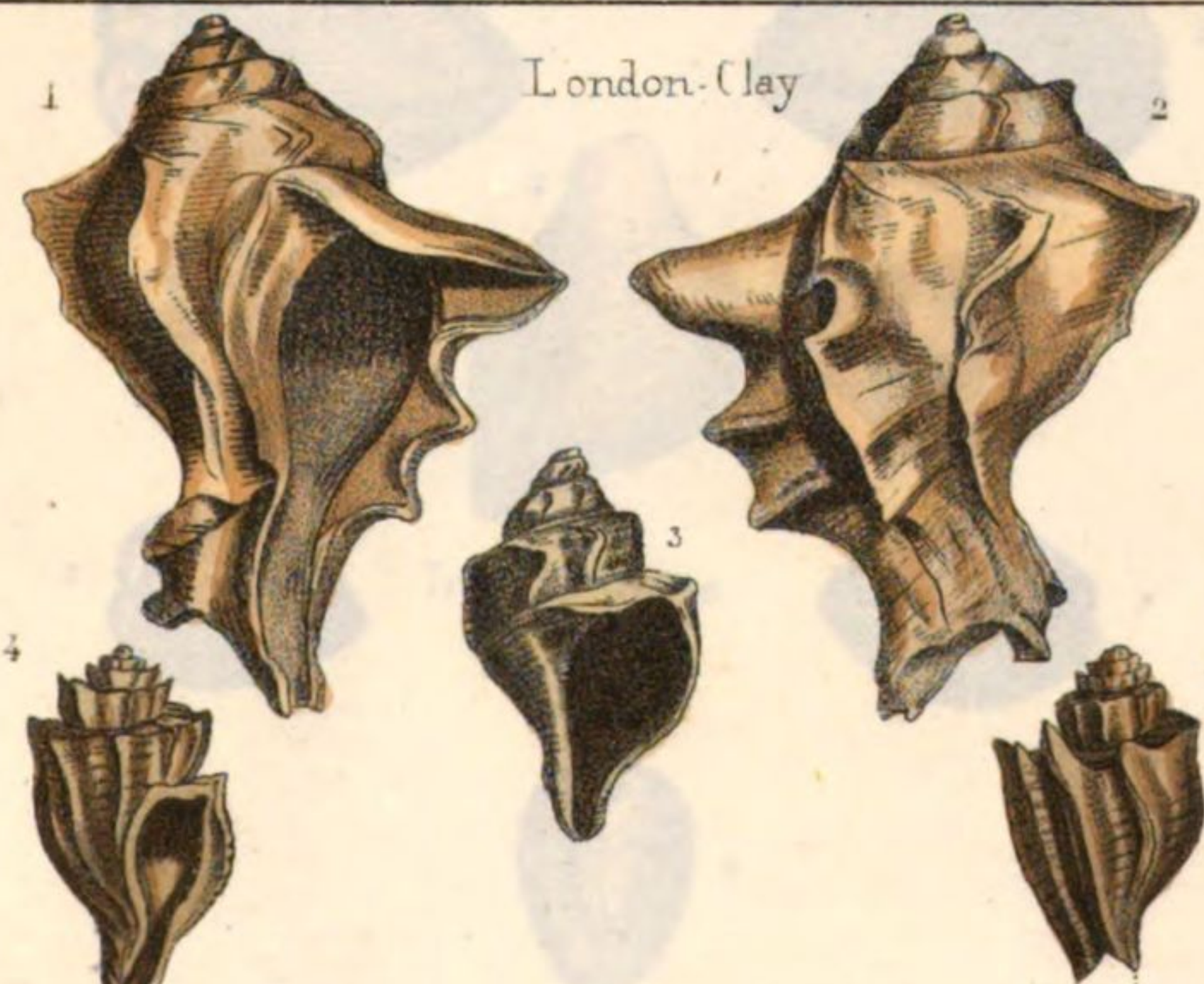
228.

London-Clay

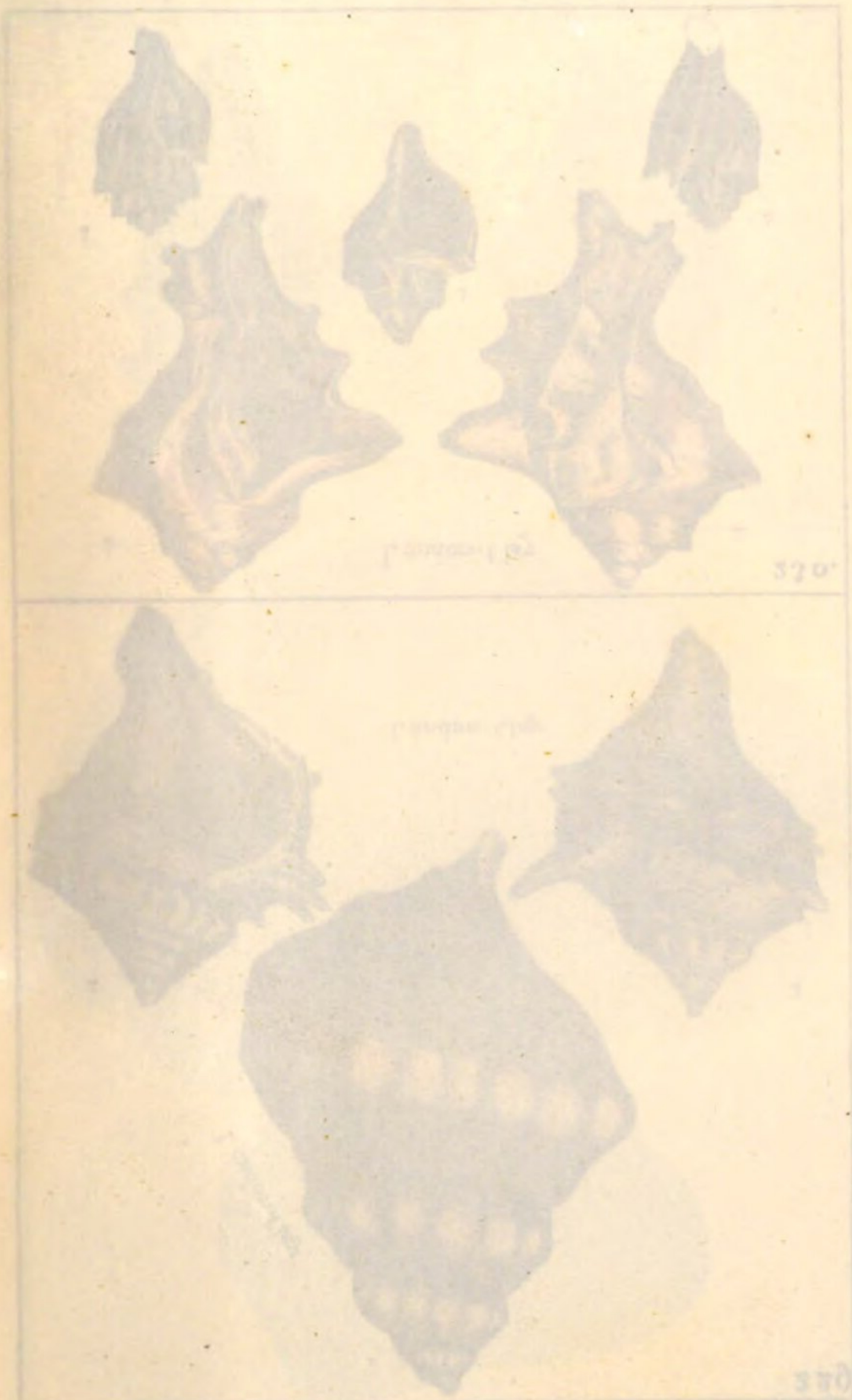
Tab. 227. Lutraria ambigua. Sow.
Tab. 228. Fusus bifacialus. Sow.







Tab. 229. Fig. 1. Murex. tuberosus Sow. Fig. 2. 3. Mur. minax. Brand.
Tab. 230. Fig. 1. 2. 3. Mur. cristatus Sow. Fig. 4. 5. Mur. coronatus Sow.



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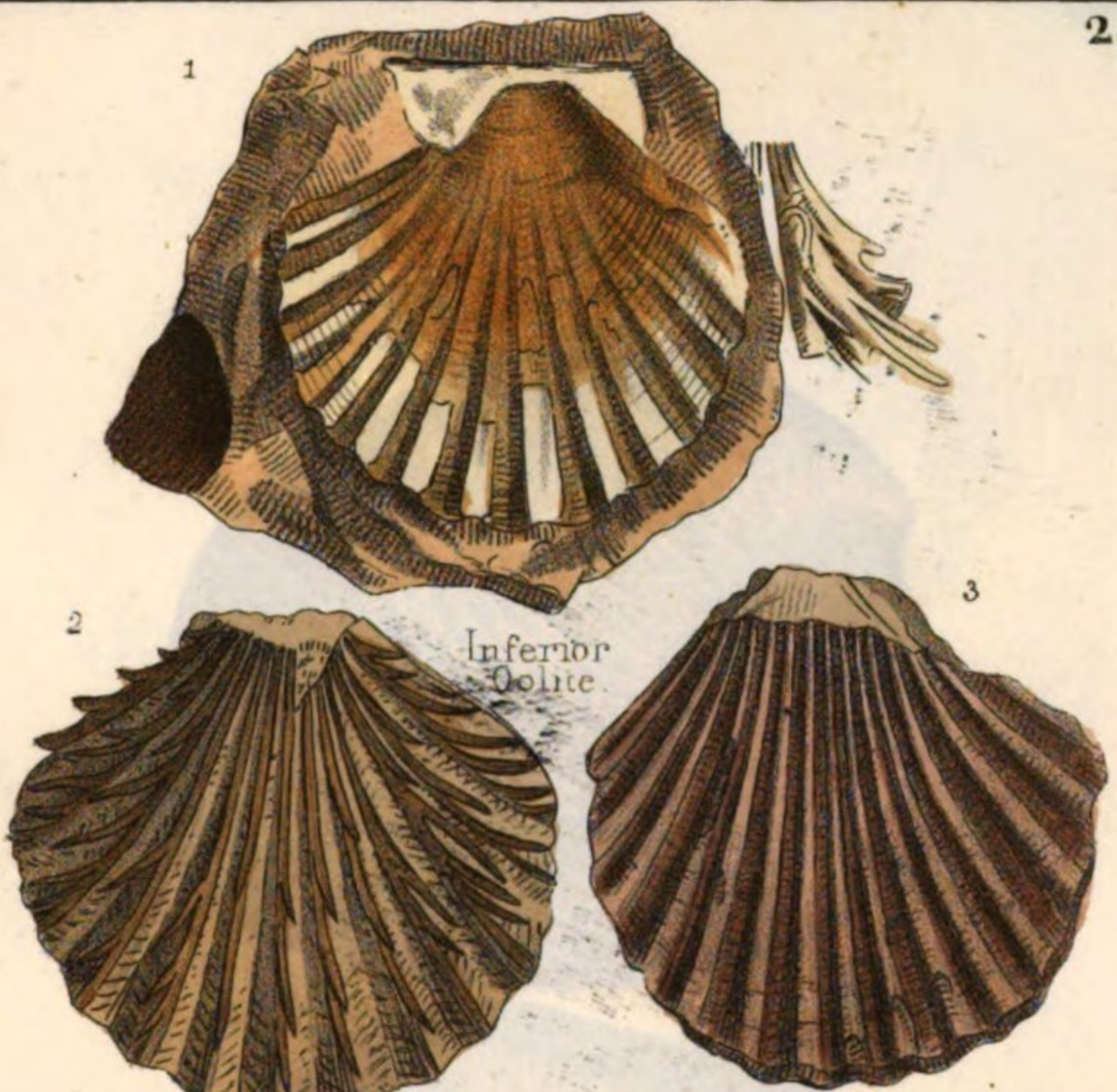

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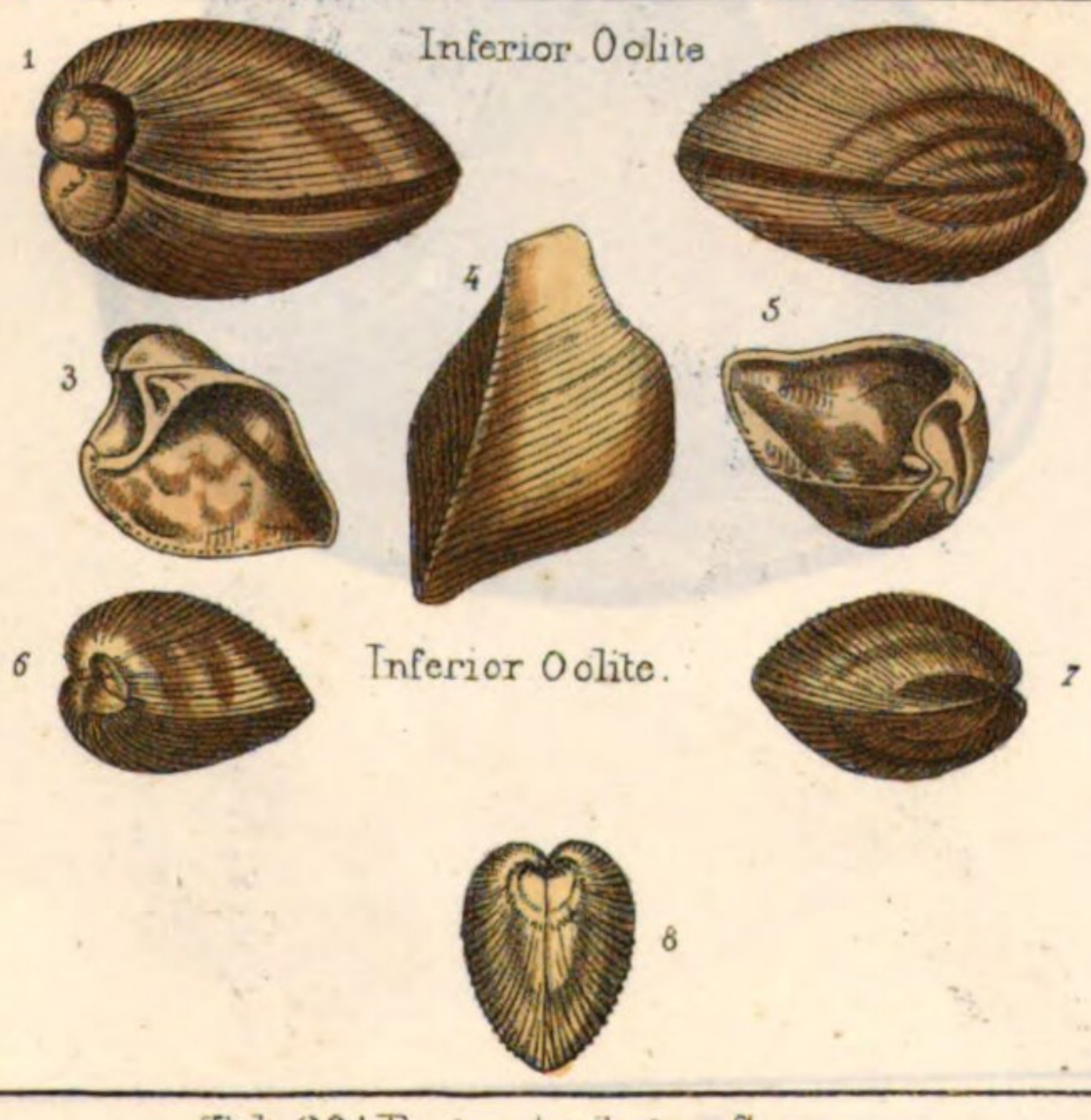
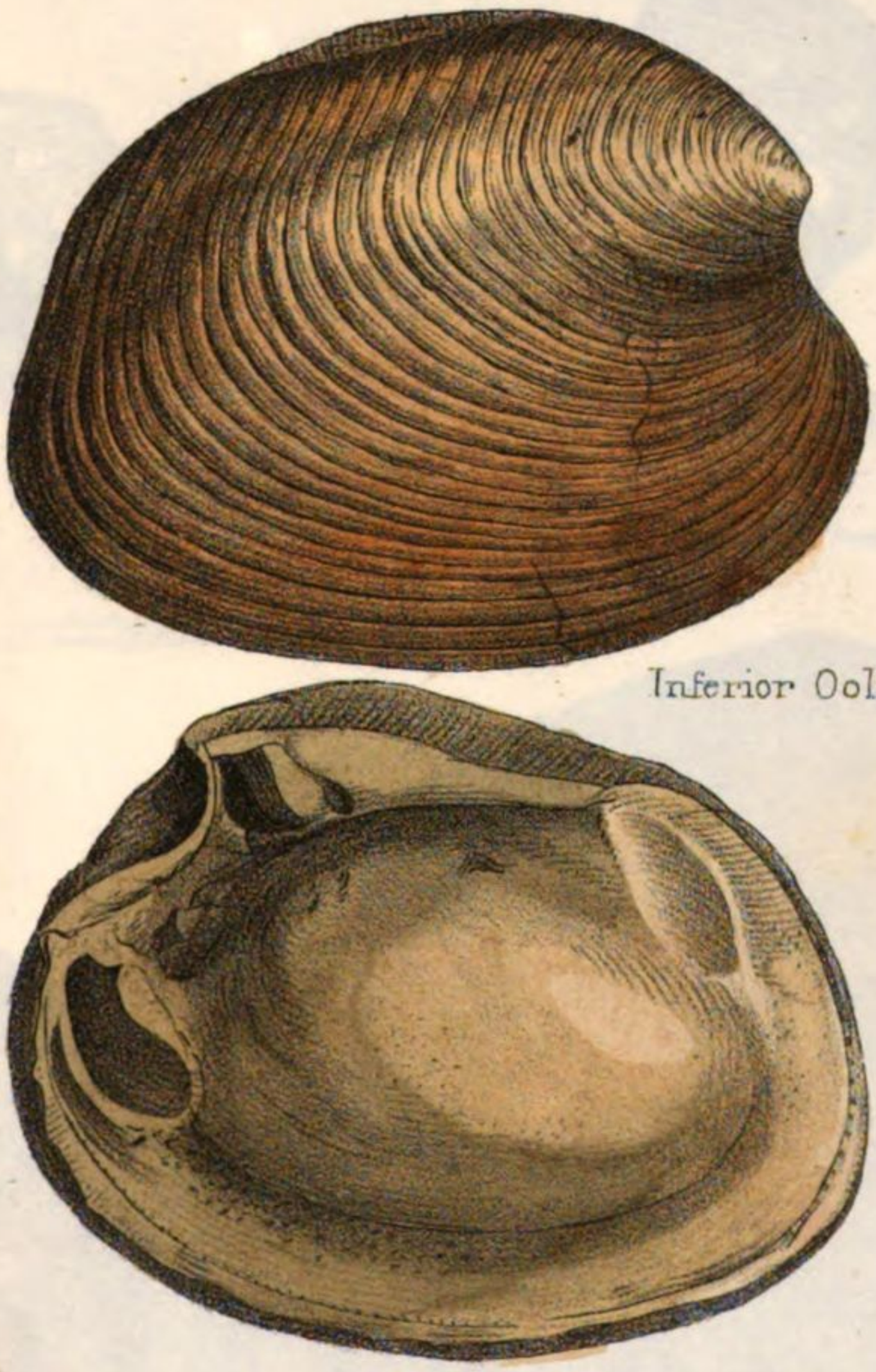


Tab. 231. Pecten barbatus. Sow.-

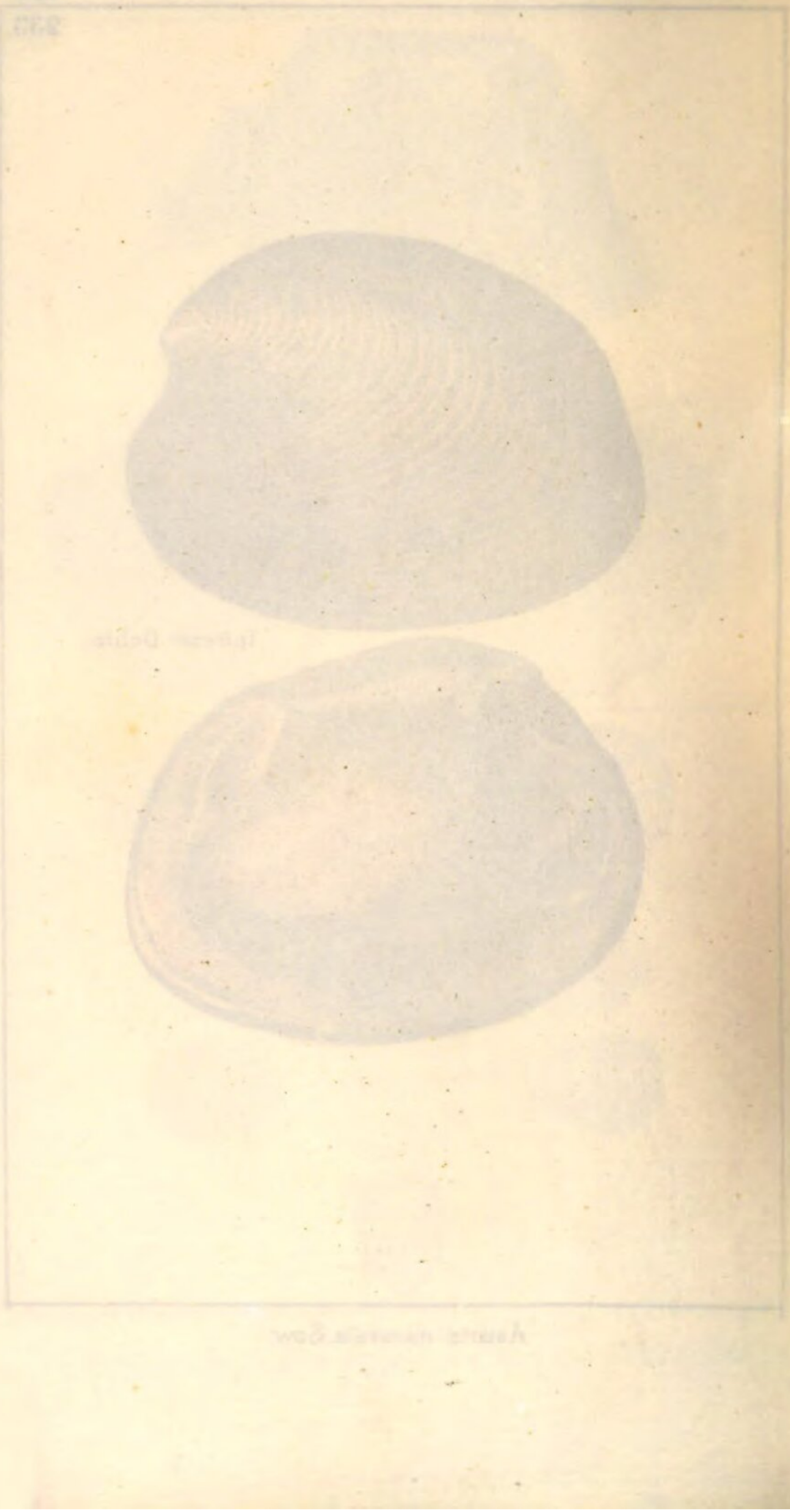
Tab. 232. Fig. 1-5. Cardita lunulata Sow.- Fig. 6, 7, 8. Card. similis. Sow.-

233.



Inferior Oolite.

Astarte excavata. Sow.



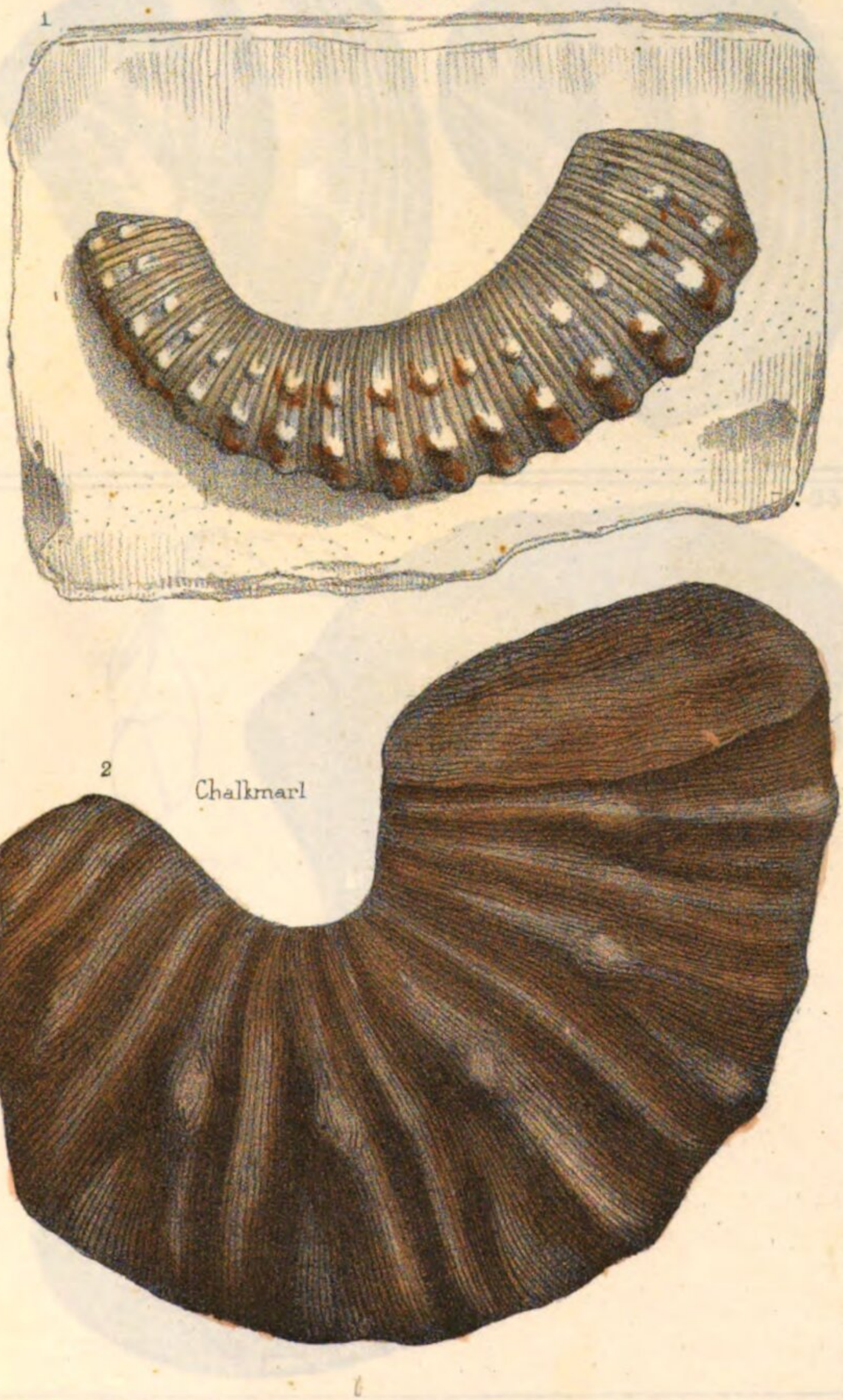
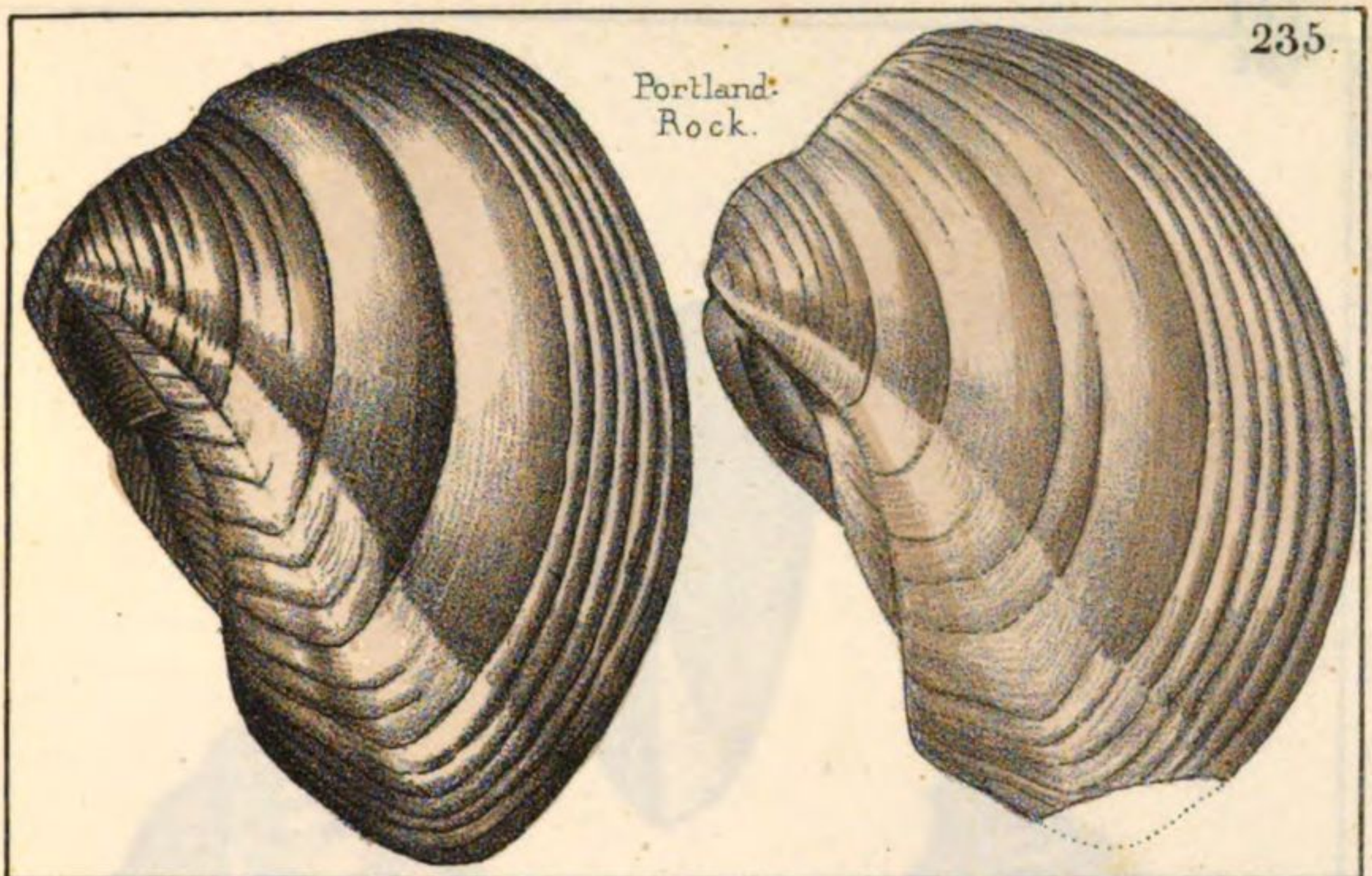


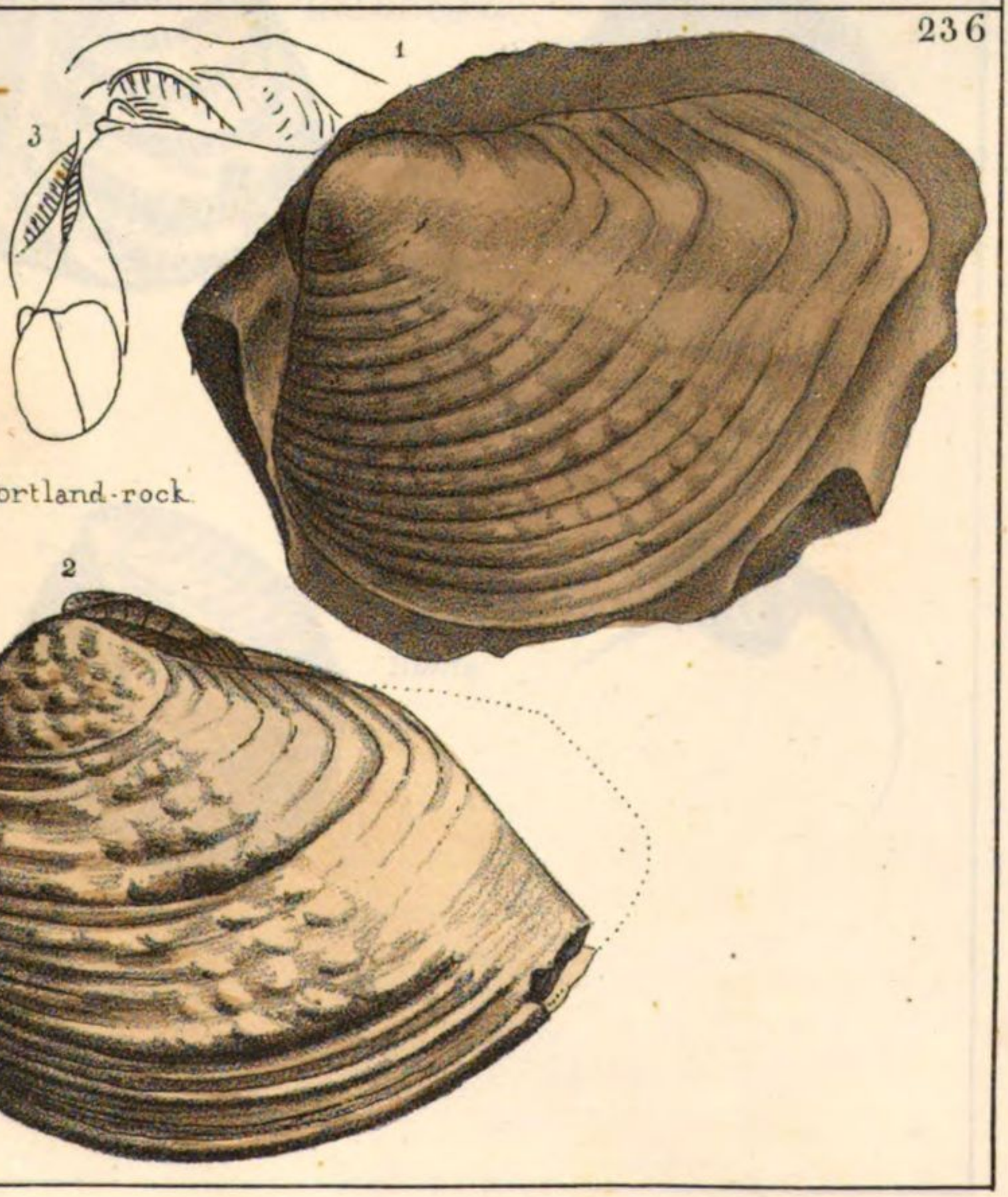
Fig. 1. Hamites plicatilis

153.

235.



236



Tab. 235. et 236. Trigonia gibbosa. Sow

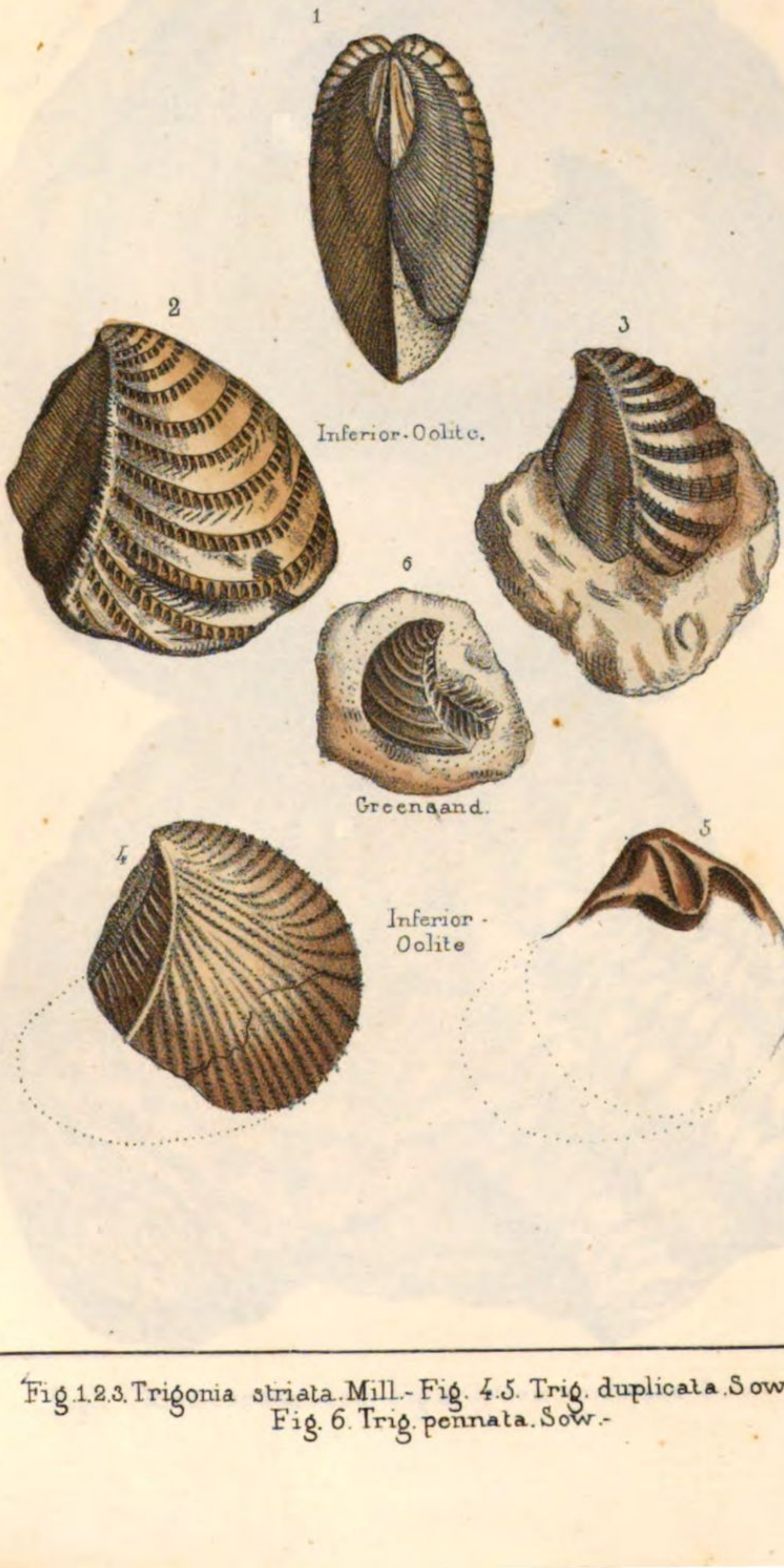


Fig. 1. 2. 3. Trigonia striata. Mill.- Fig. 4. 5. Trig. duplicata. Sow.-
Fig. 6. Trig. pennata. Sow.-

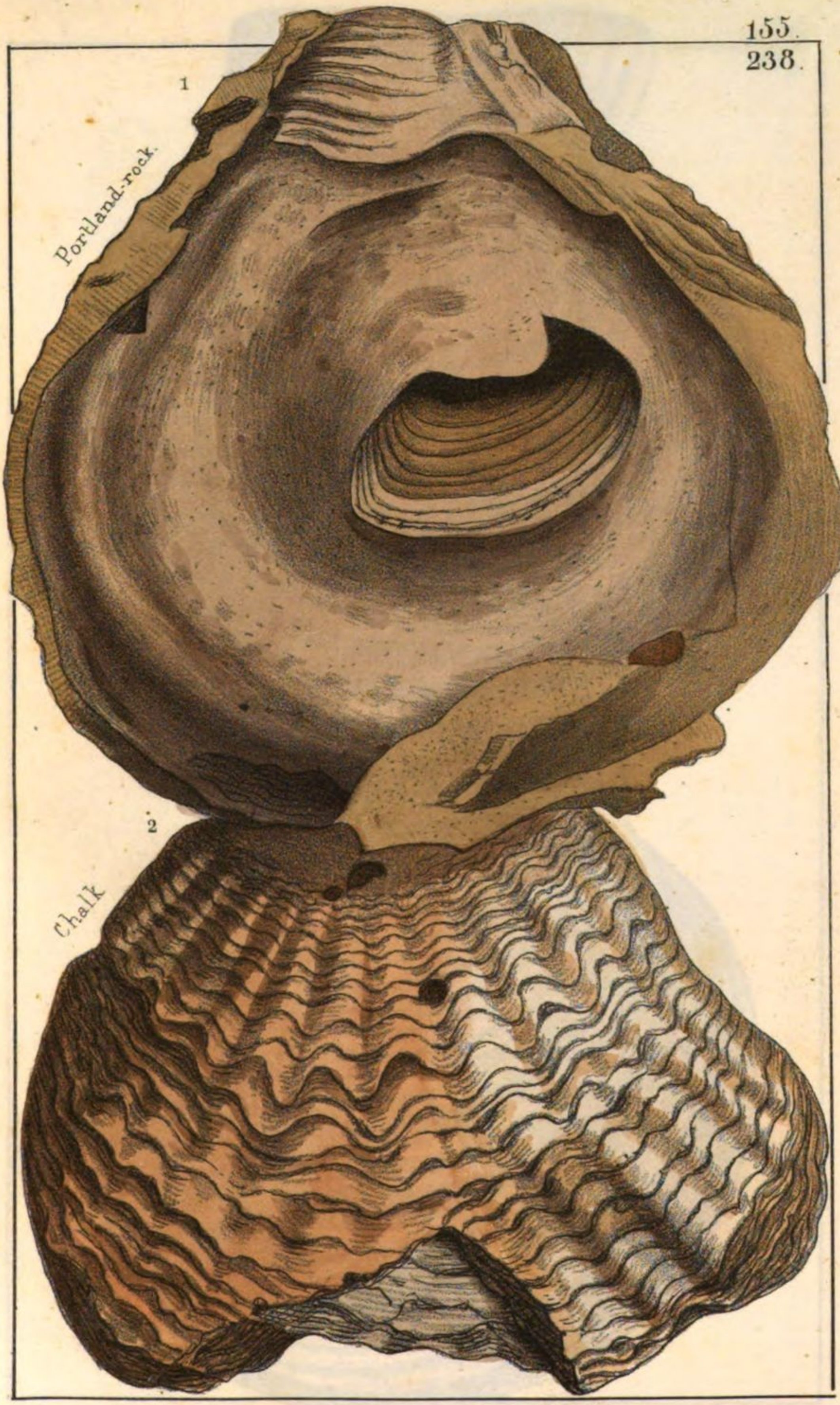
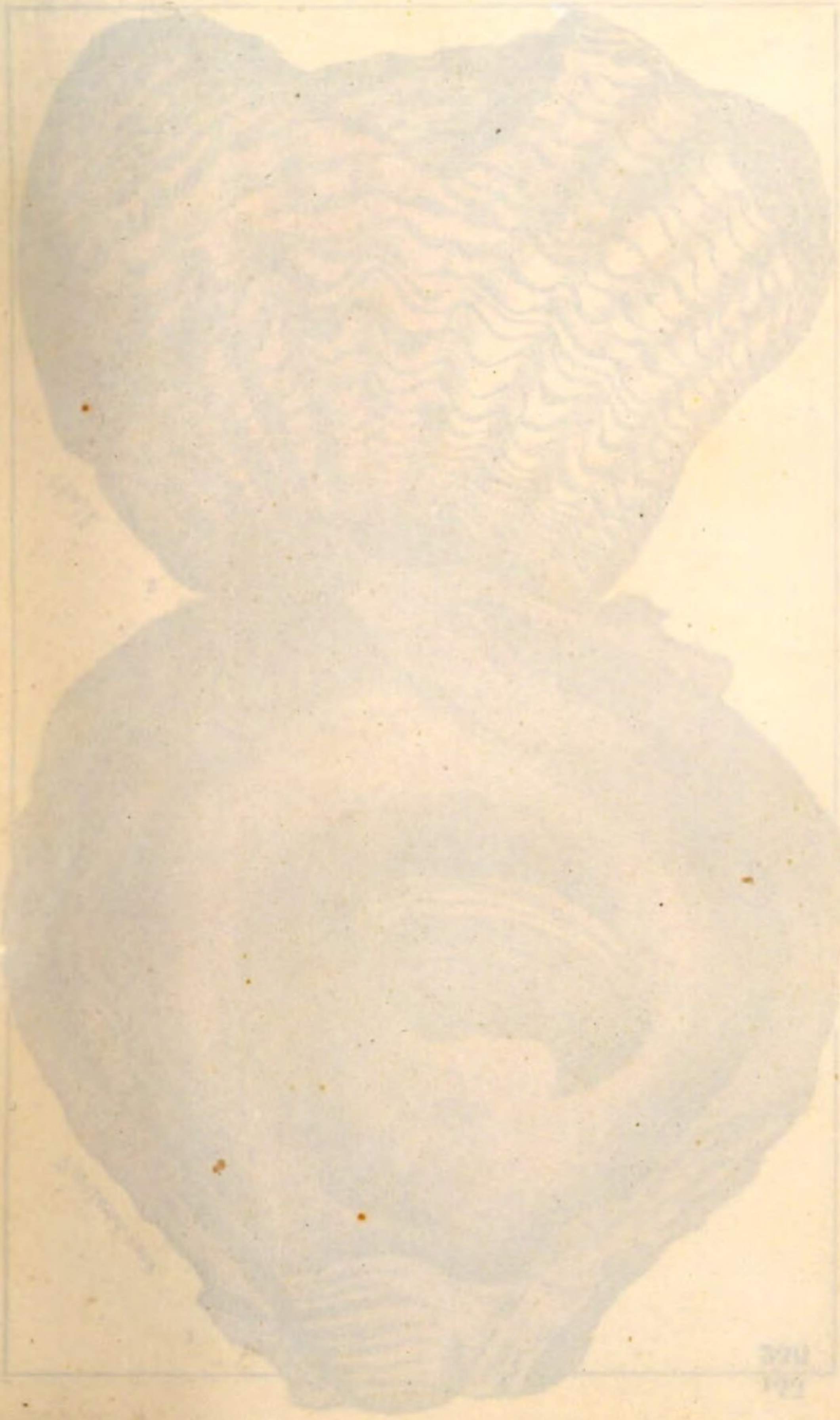
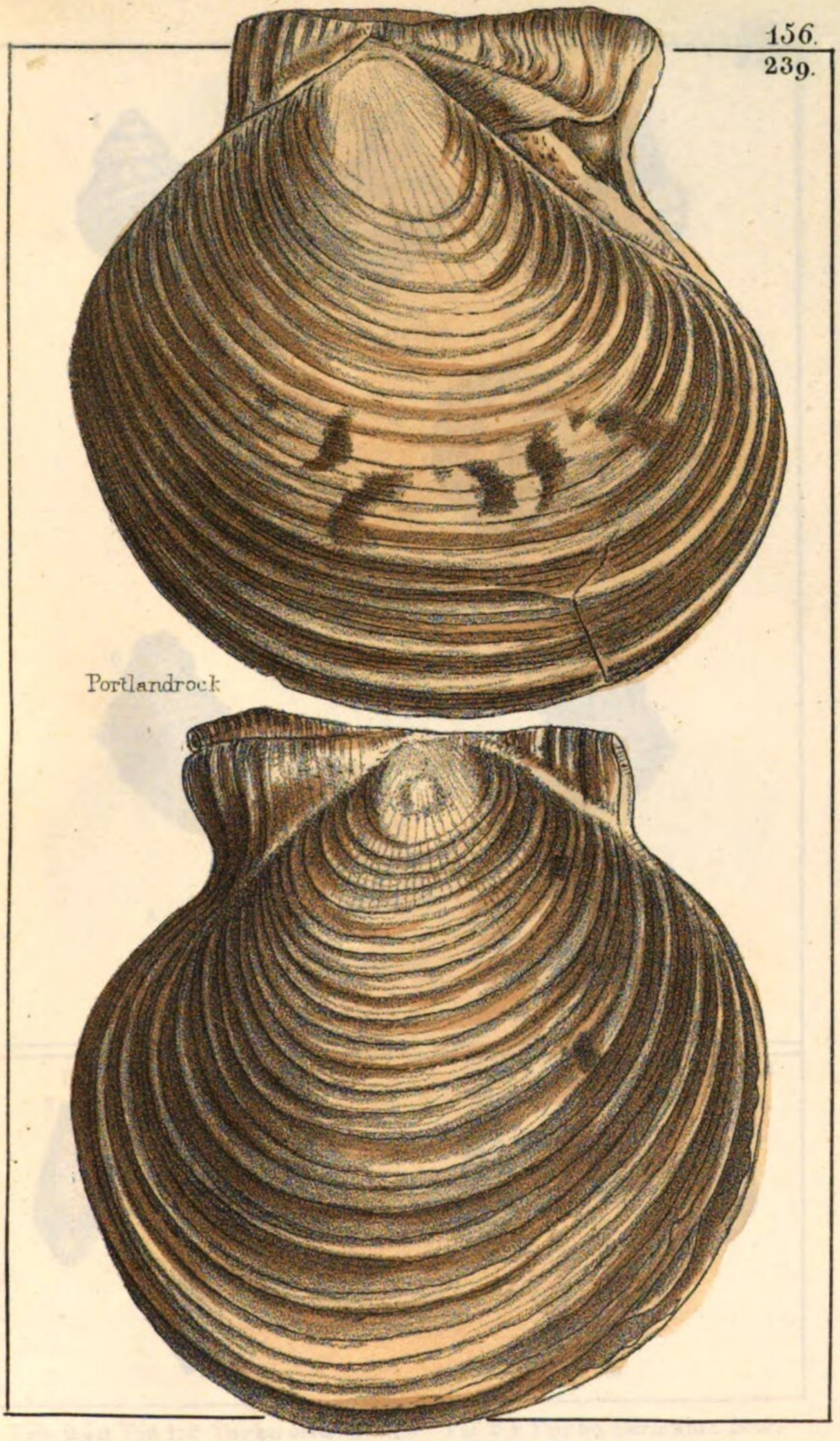


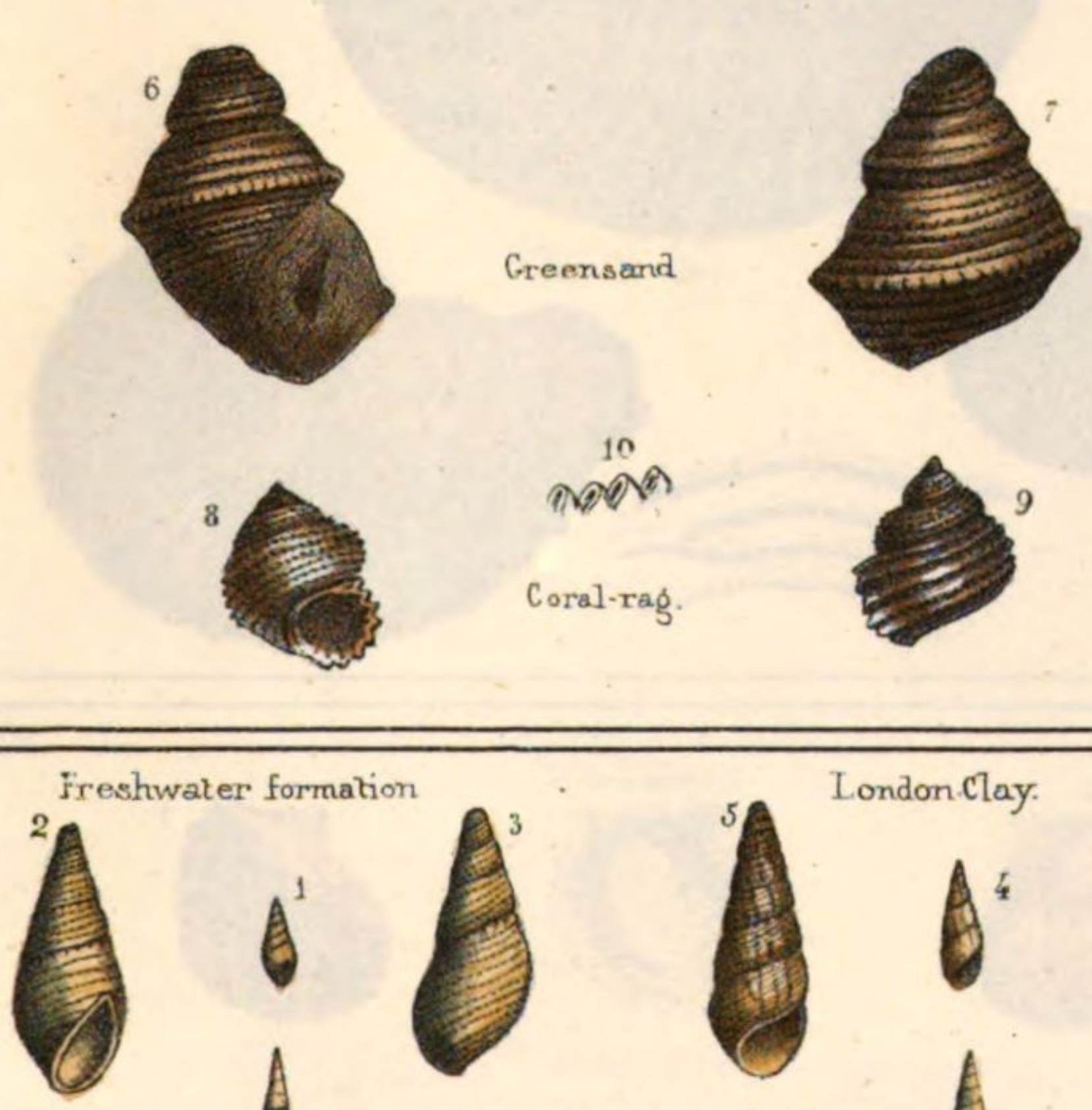
Fig.1. Ostrea expansa Sow.- Fig.2. Ostrea undulata. Sow.-



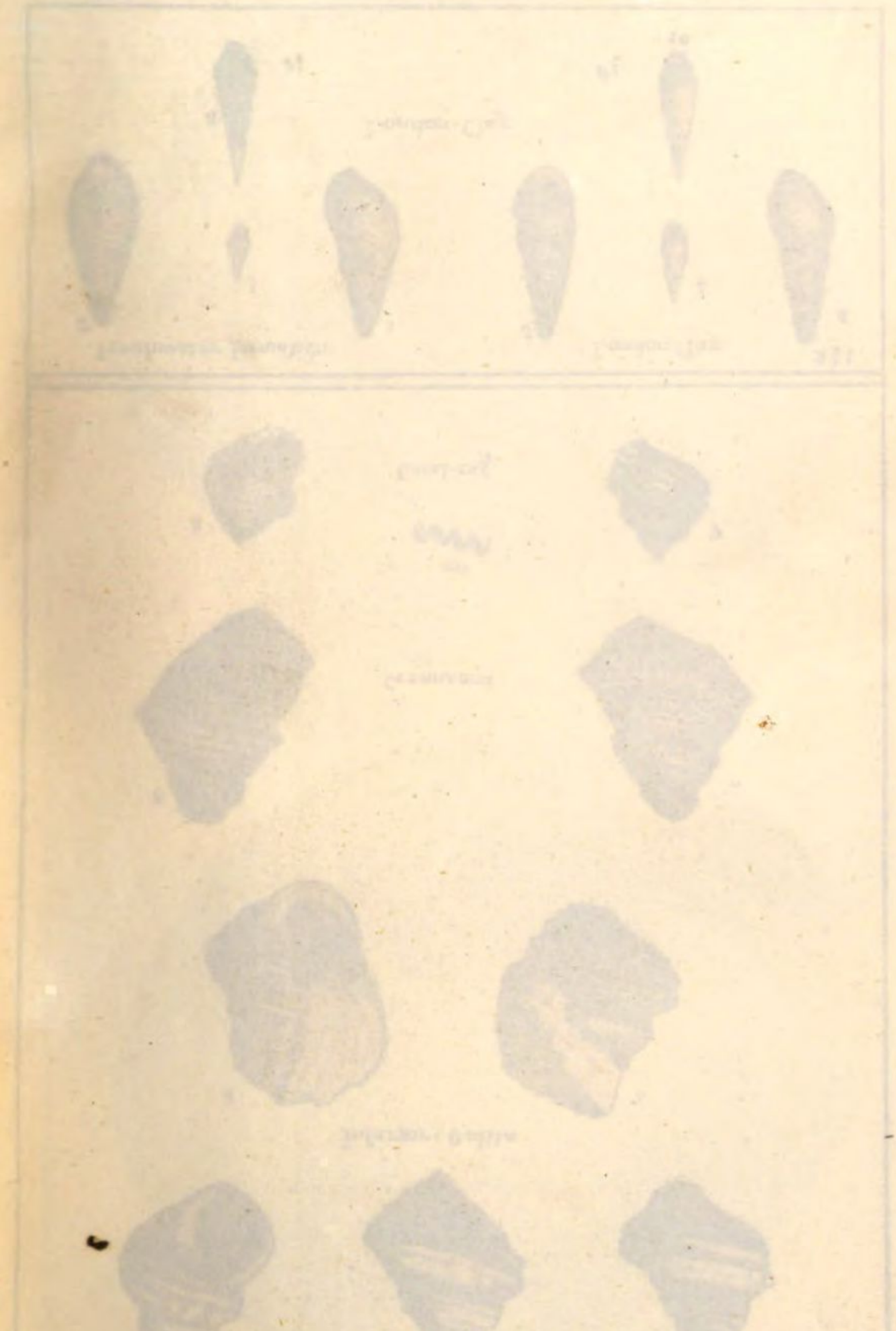


Portlandrock

Pecten lamellosus Sow.



Tab. 240. Fig. 1-5 Turbo ornatus. Mill.- Fig. 6.7. Turbo carinatus. Sow.-
Fig. 8.-10. Turbo muricatus. Sow.
Tab. 241. Fig. 1.2.3 Melania fasciata. Sow.- Fig. 4.5.6 Melania costata. Sow.-
Fig. 7.8. Mel. minima. Sow.- Fig. 9.10 Mel. truncata Sow.

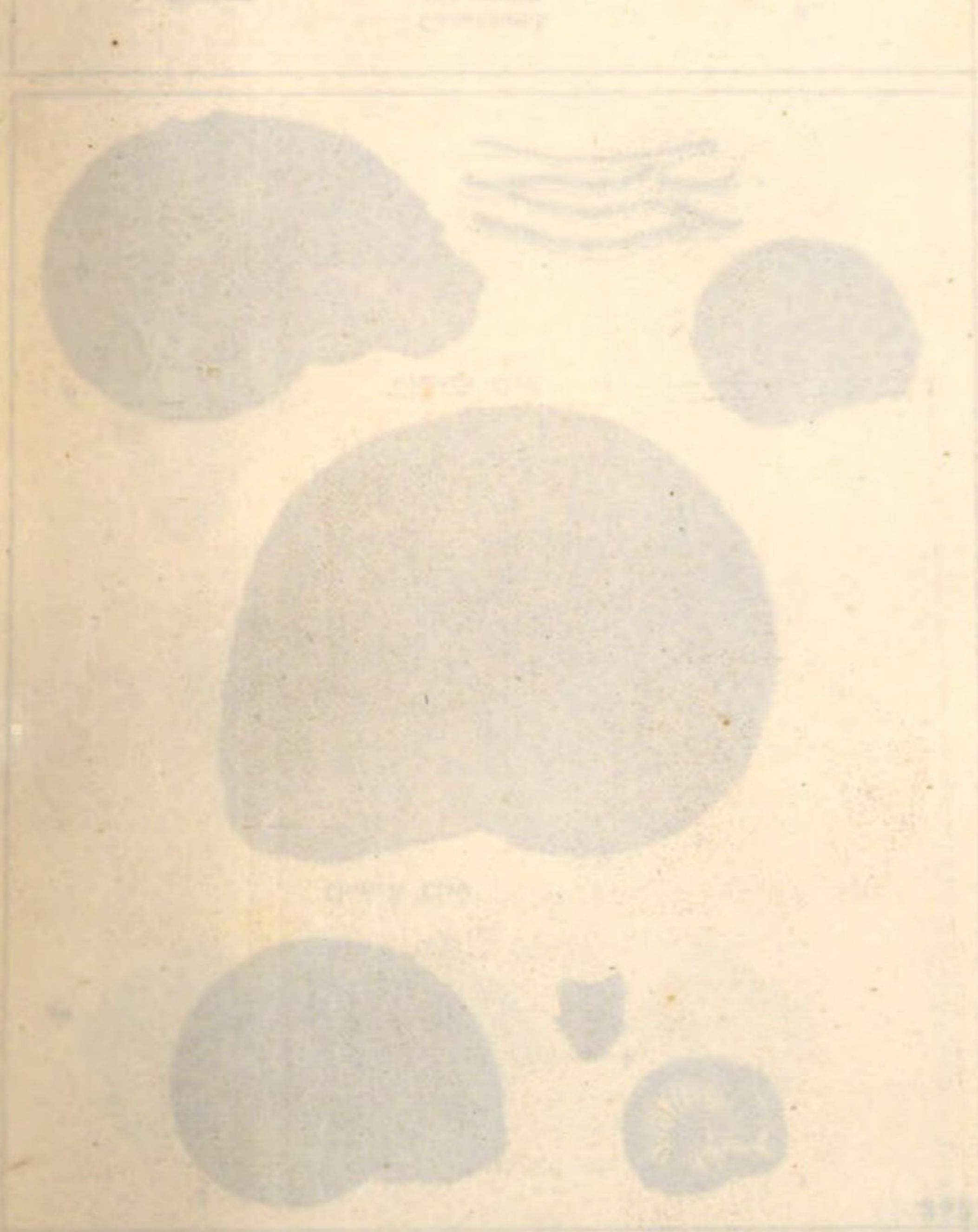


Clunch - Clay.

Clunch - Clay.

Combrash

Tab. 242. Fig. 1-4 Ammonites Lamberti. Sow - Fig. 5. Am. Leachi. Sow. - Fig. 6. 7 Am. omphaloides. Sow.
Tab. 243. Avicula echinata. Smith.



244.

Bradford-Clay.

Kelloway rock.

Clay on Lias.

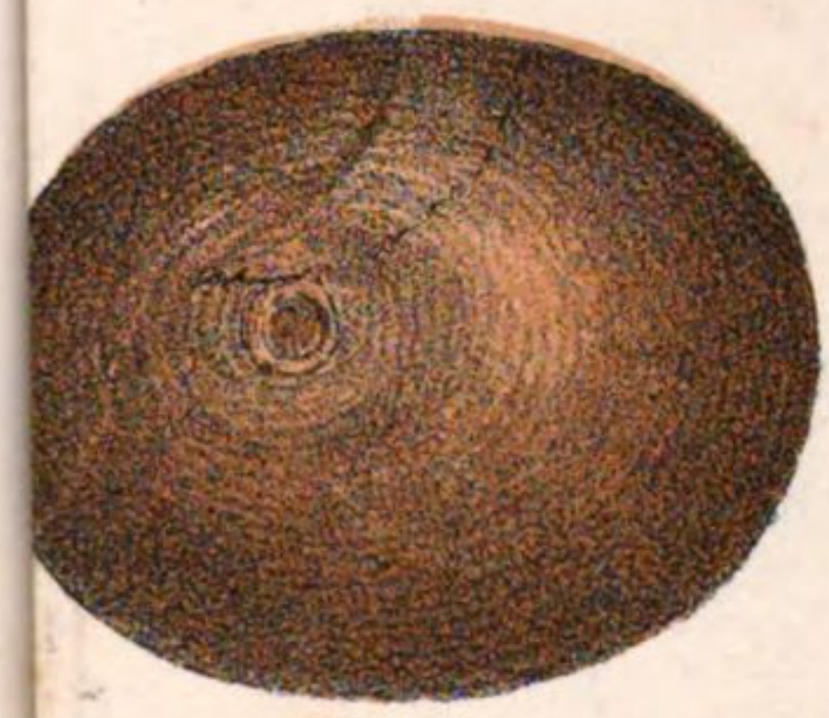
245.

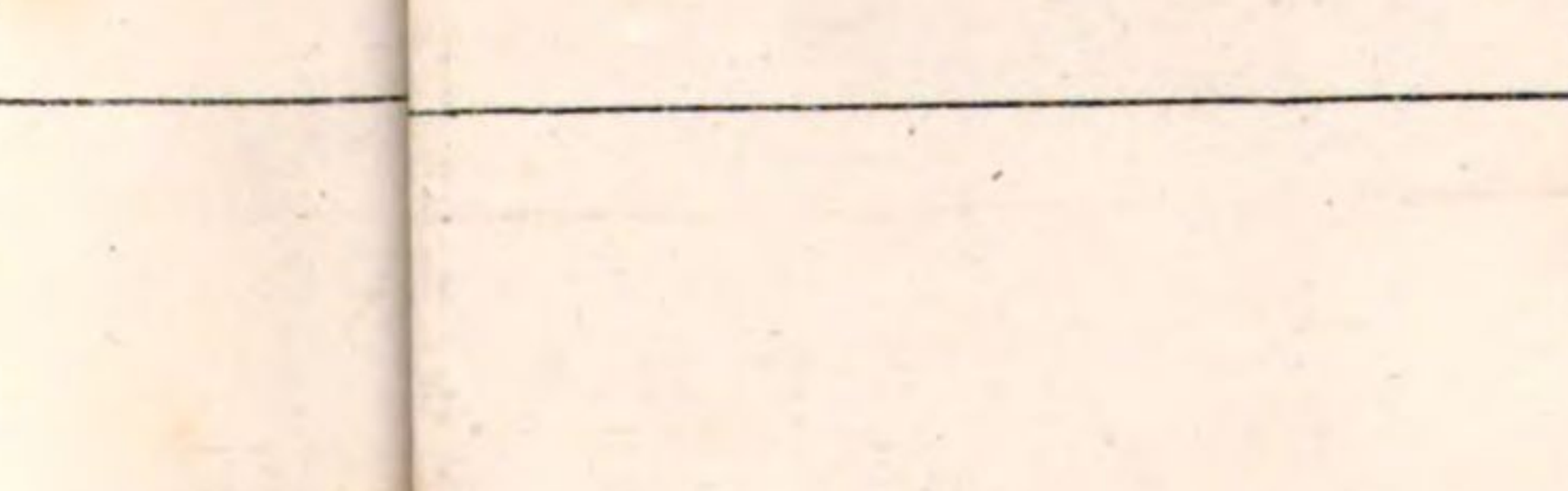
Blue-Marl.
on Lias

Tab. 244. Fig. 1-3 Avicula costata Smith.- Fig. 4.5.6. Avic. inequivalvis. Sow.
Tab. 245. Plicatula spinosa. Sow.

3

5





247.

248.

1

Cornbrash

2

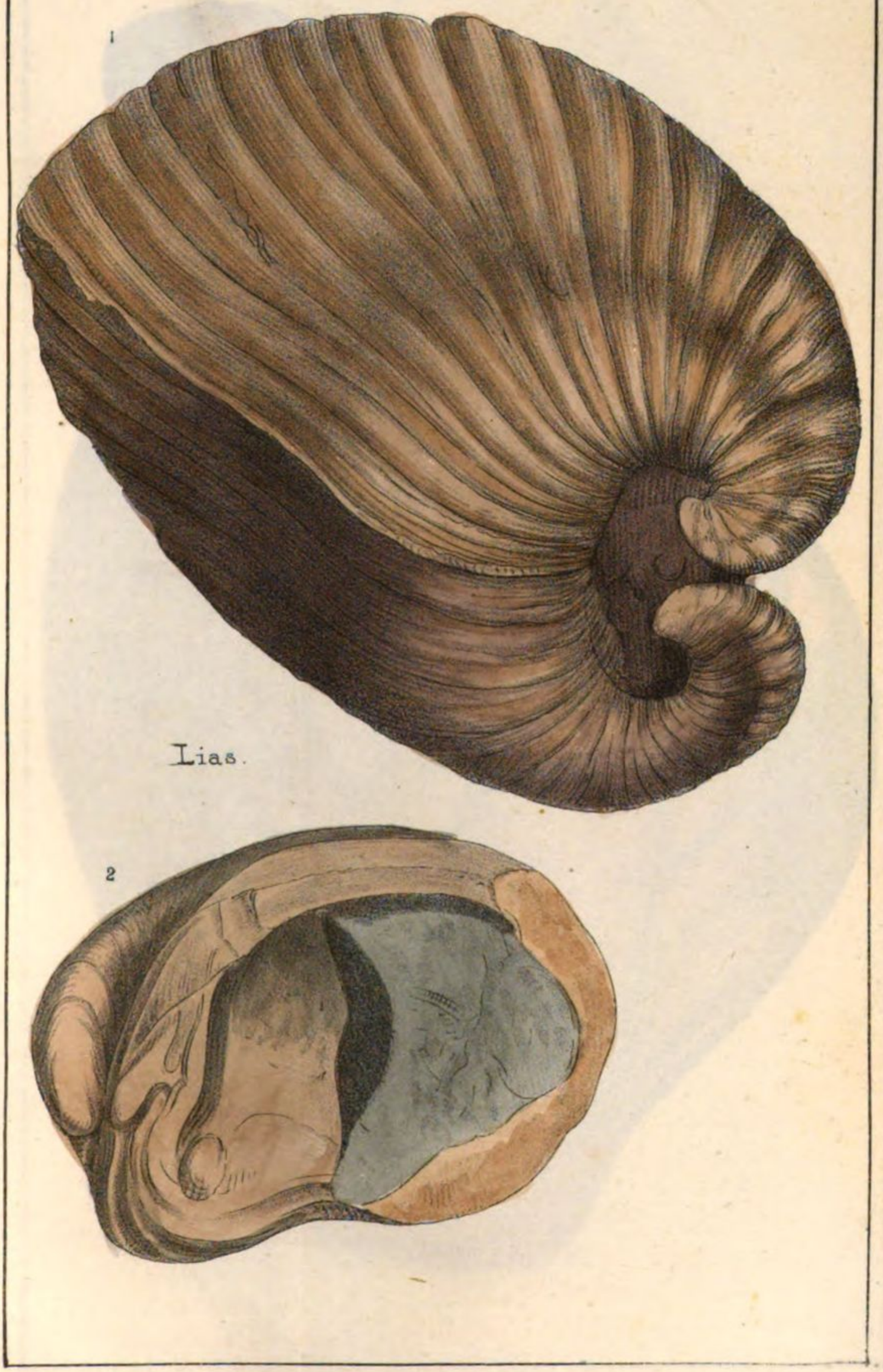
3

Lias

Fig.1 2. Modiola plicata Sow. Fig.3 Mod. scalprum. Sow.

249.

culatus. Sow.-

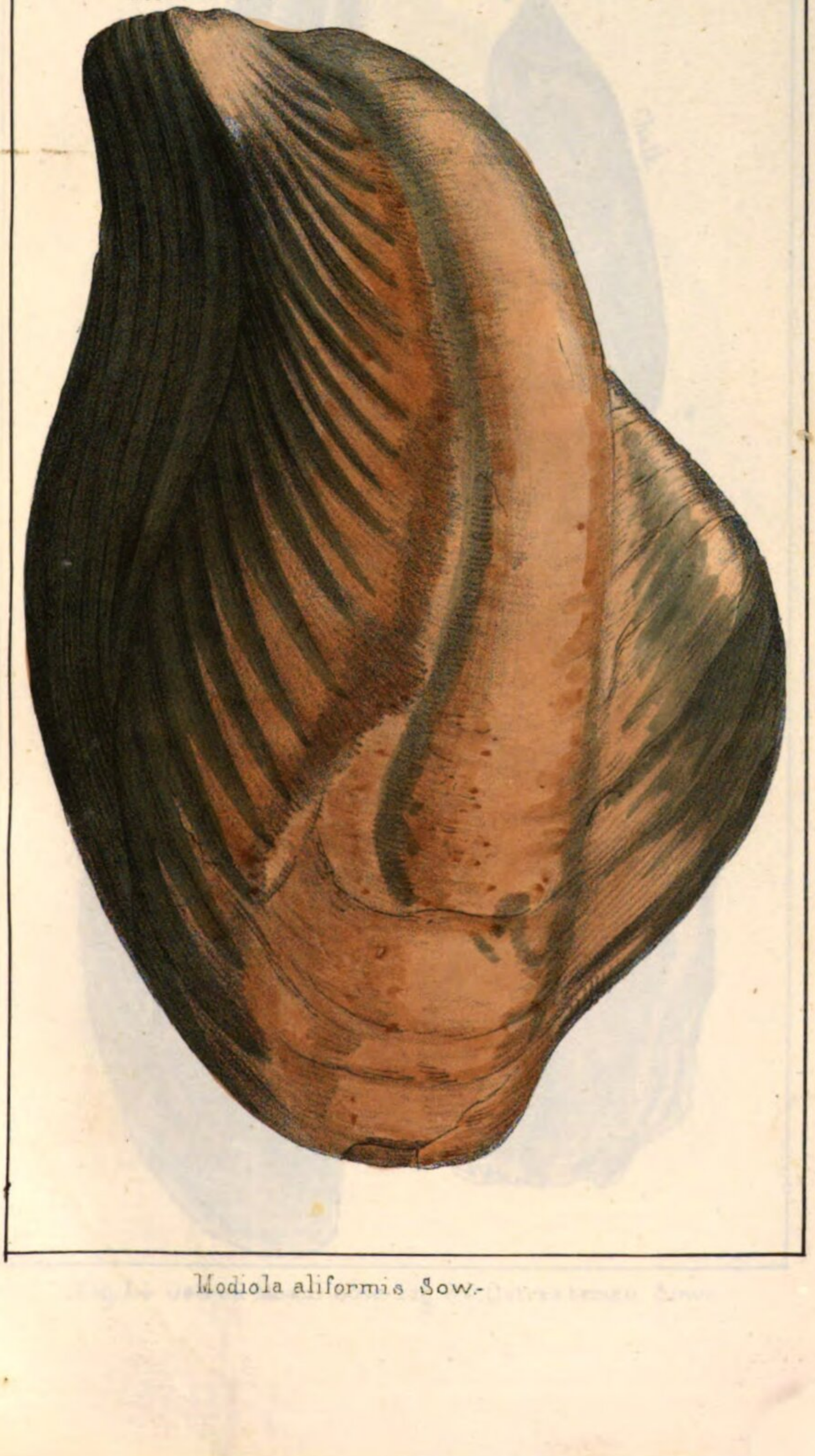


Lias.

2

Hippopodium ponderosum. Sow.-

Portland-rock



Modiola aliformis Sow.

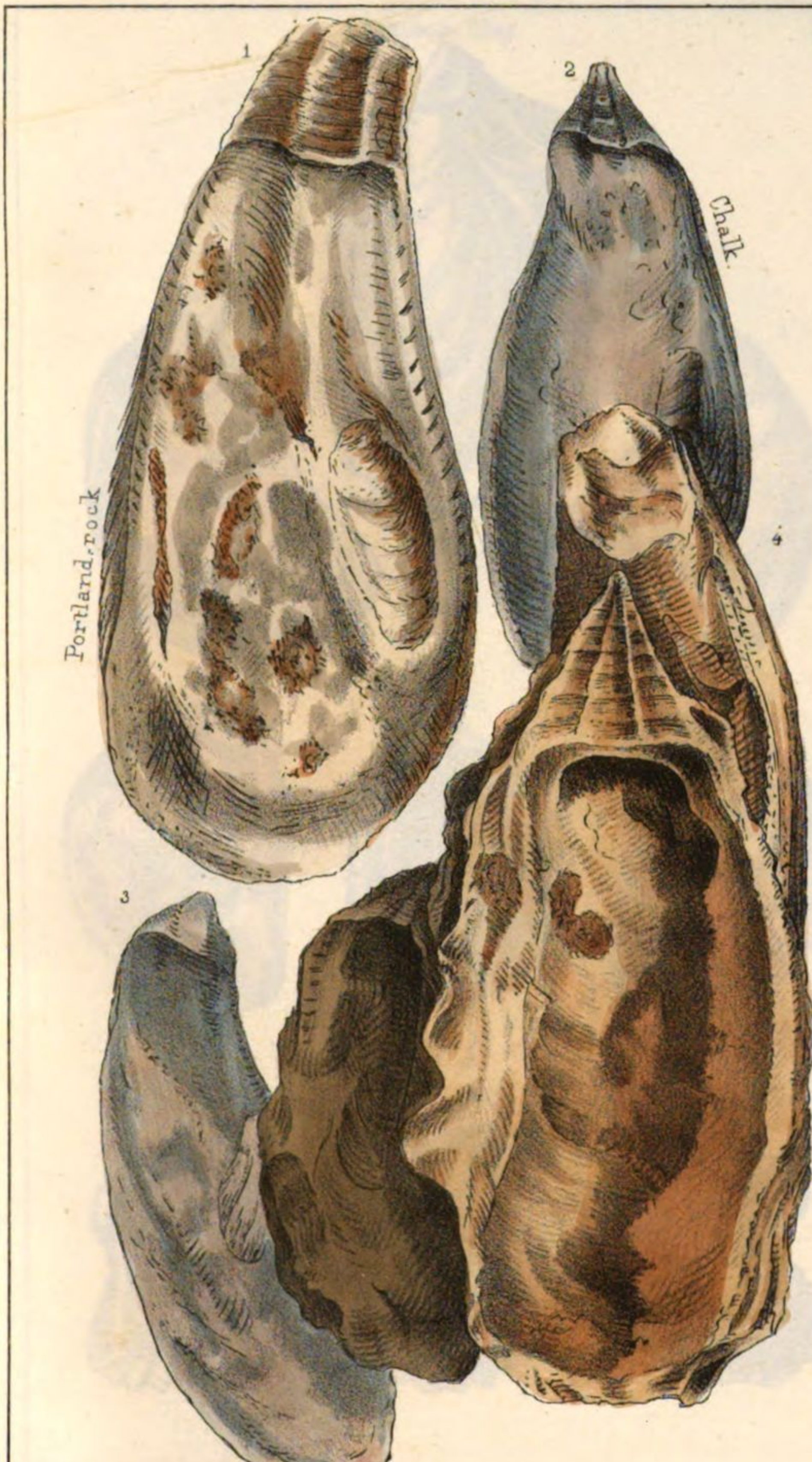
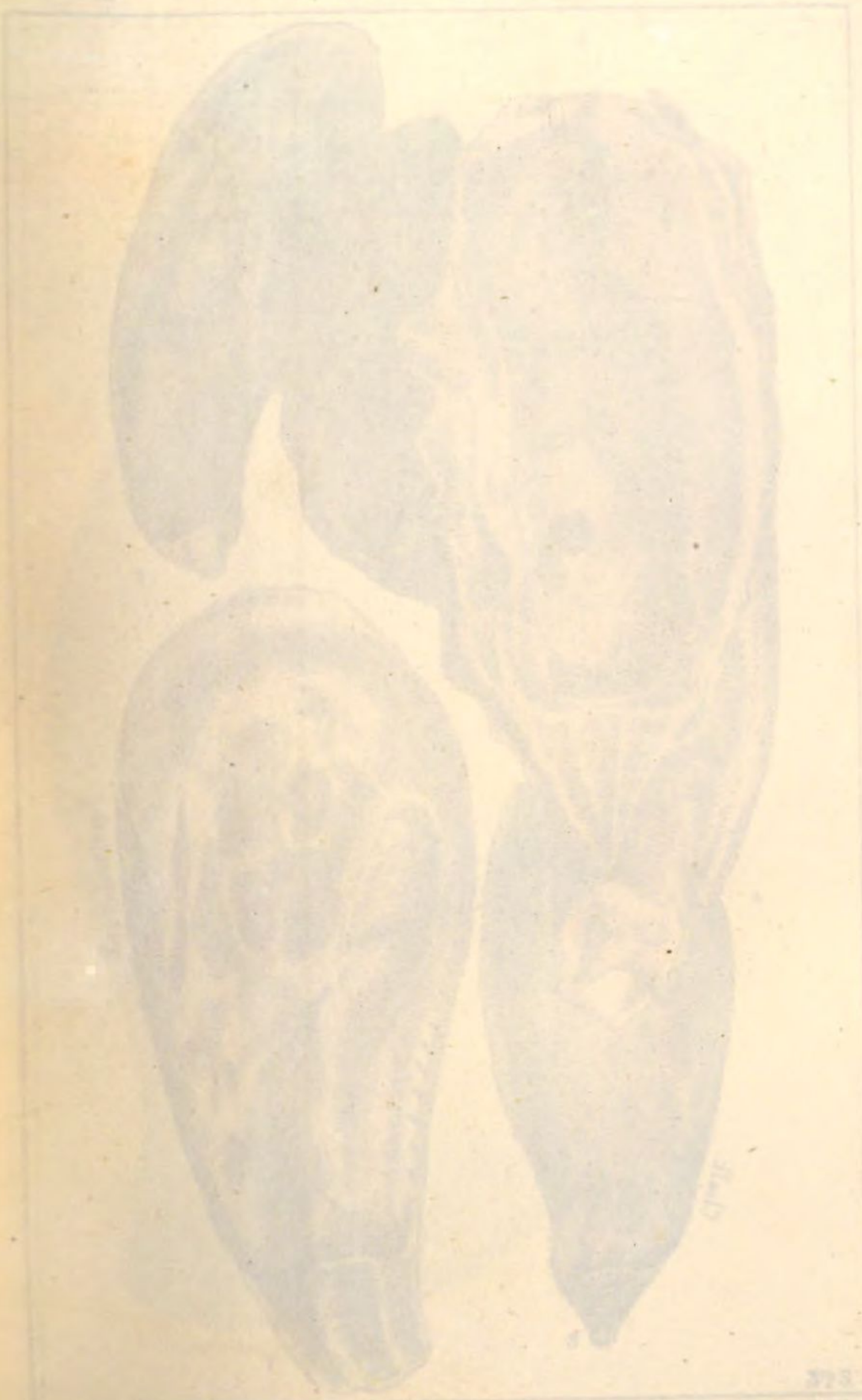
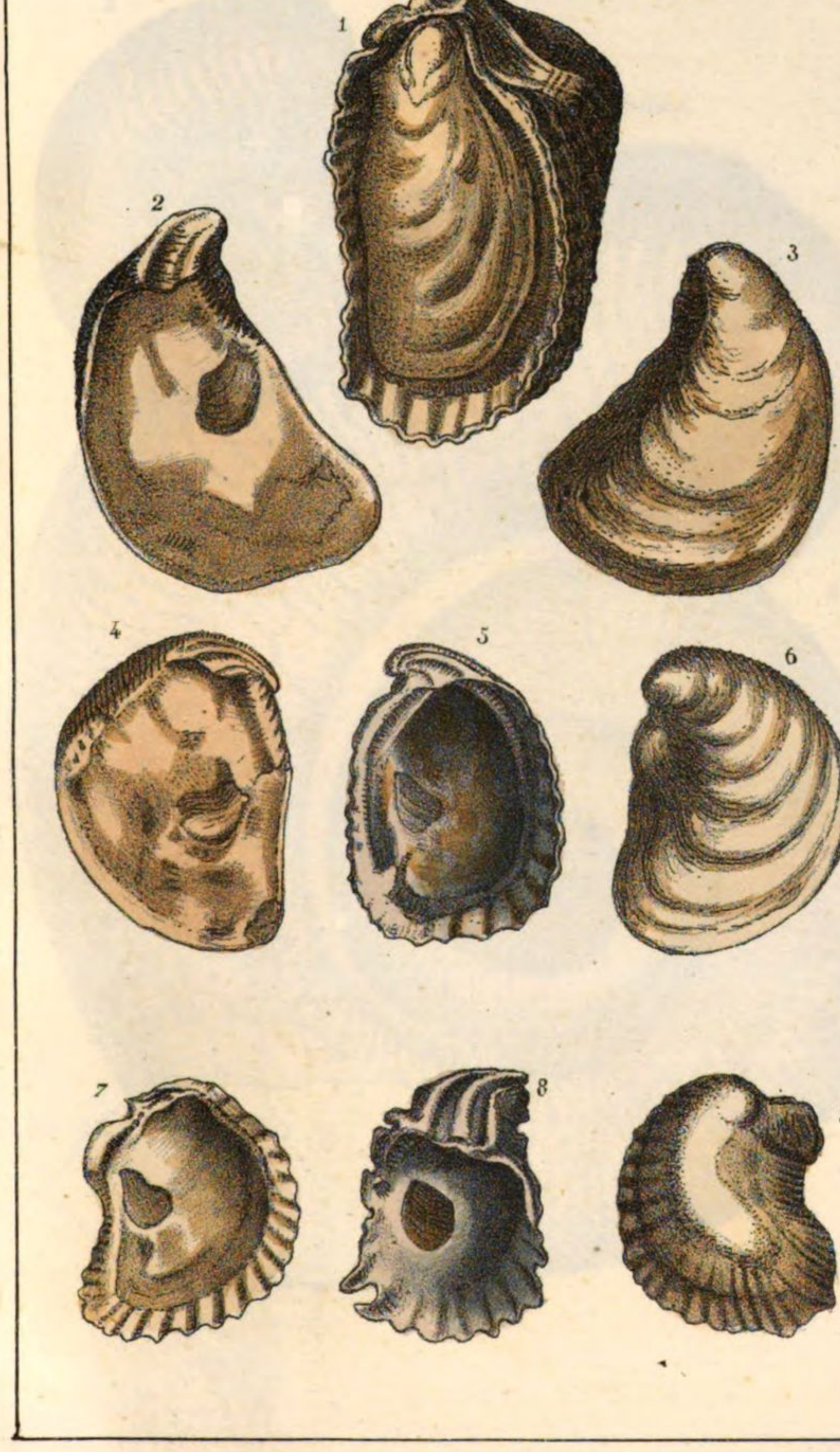


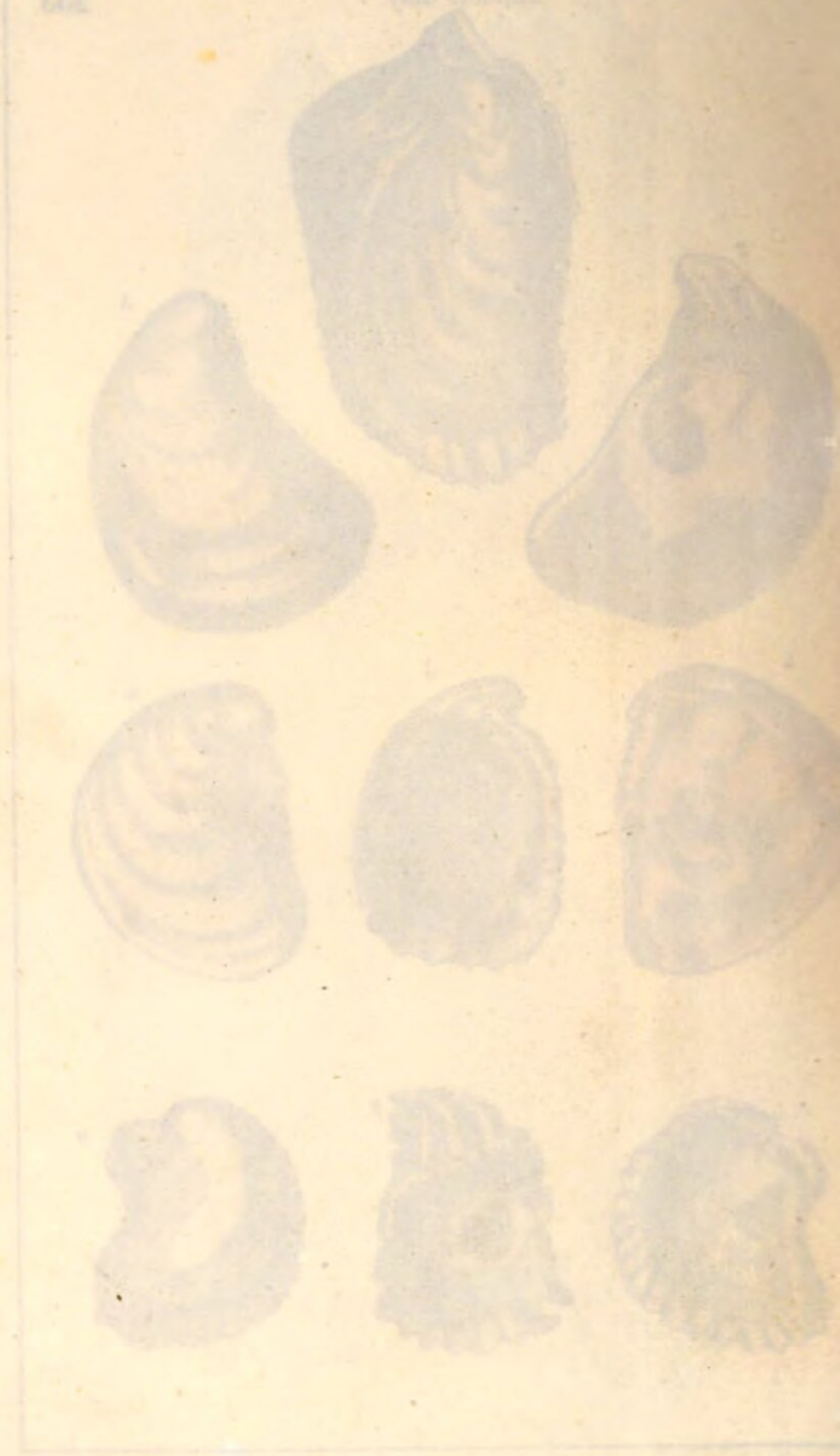
Fig. 1. 4 Ostrea Meadi Sow.- Fig. 2. 3. Ostrea tener. Sow.-



London-Clay.



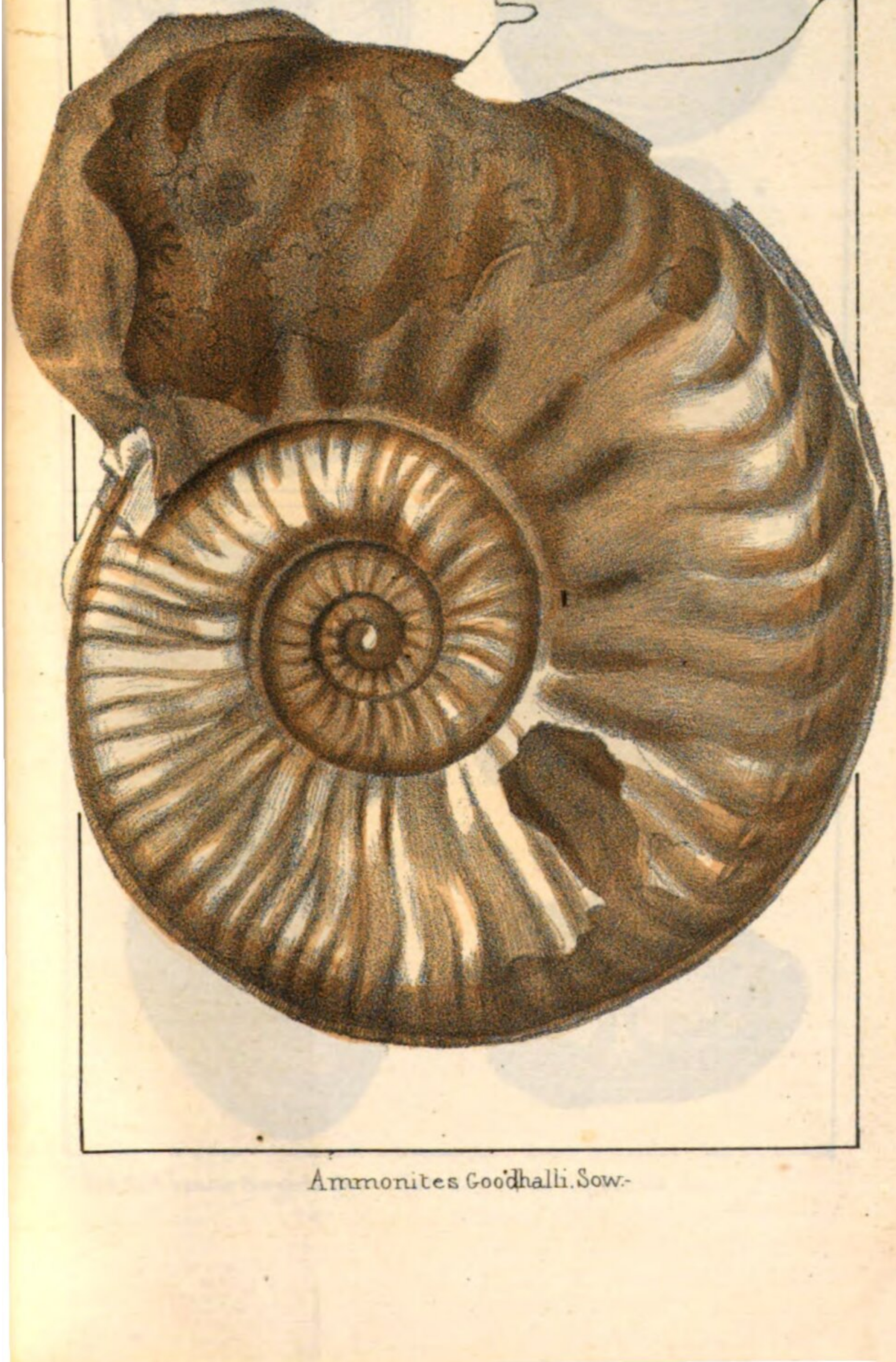
Ostrea flabellula Lam.



Inferior-Oolite.

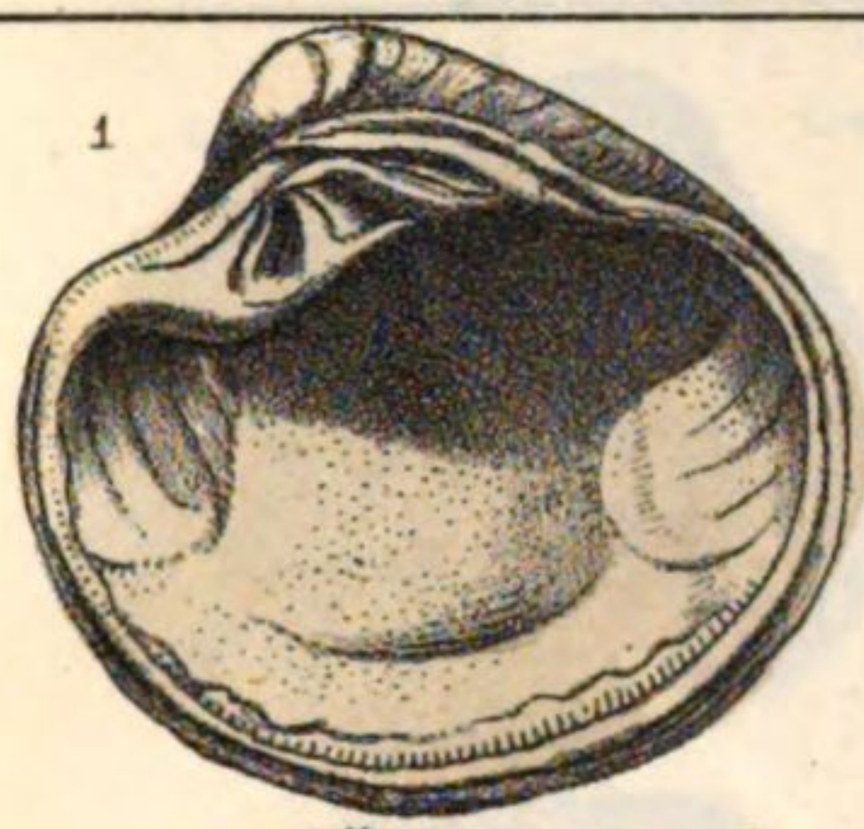
Fig. 1. 3 Ammonites Strangewaysii Sow. - Fig. 2 Ammonites falcifer. Sow.

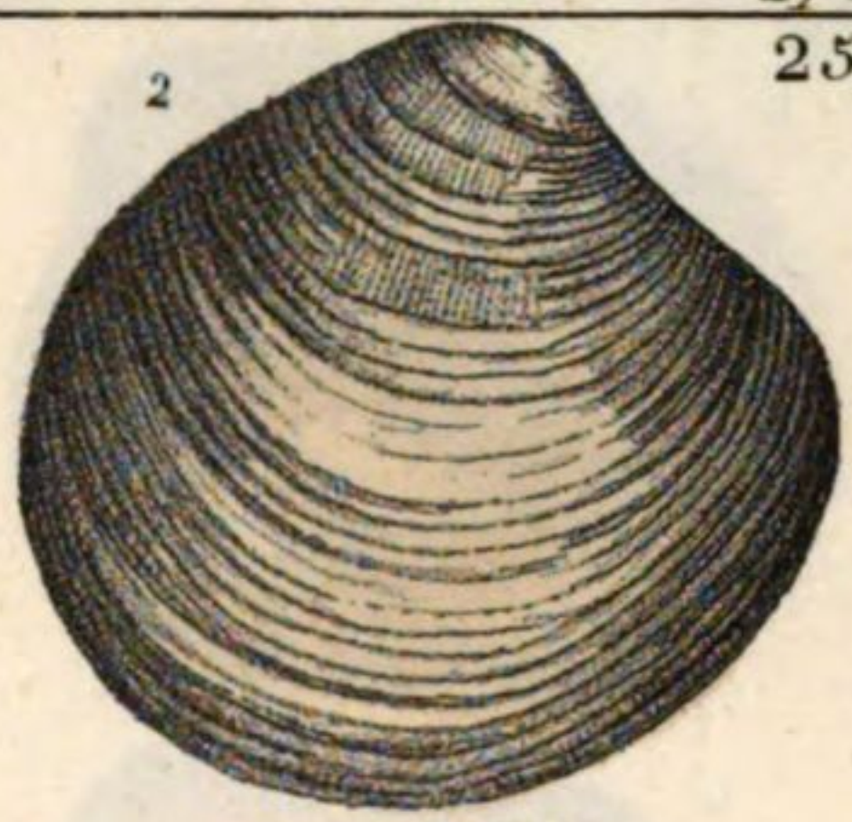
Greensand.



Ammonites Goodhalli. Sow.

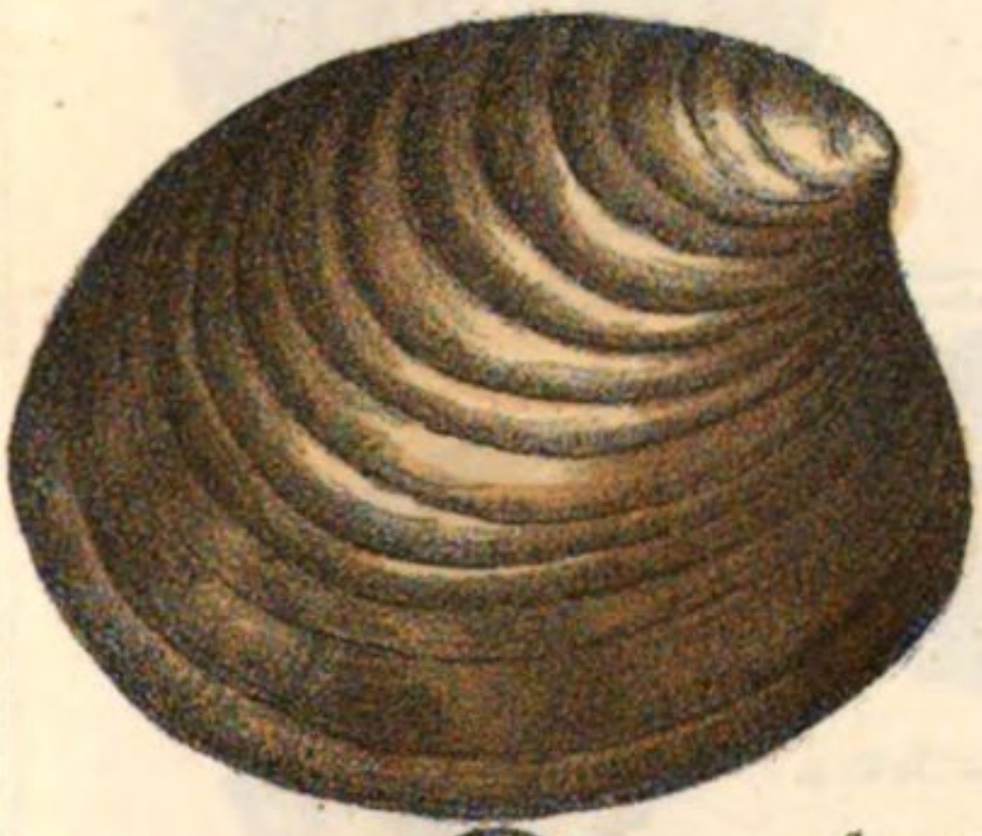
256.

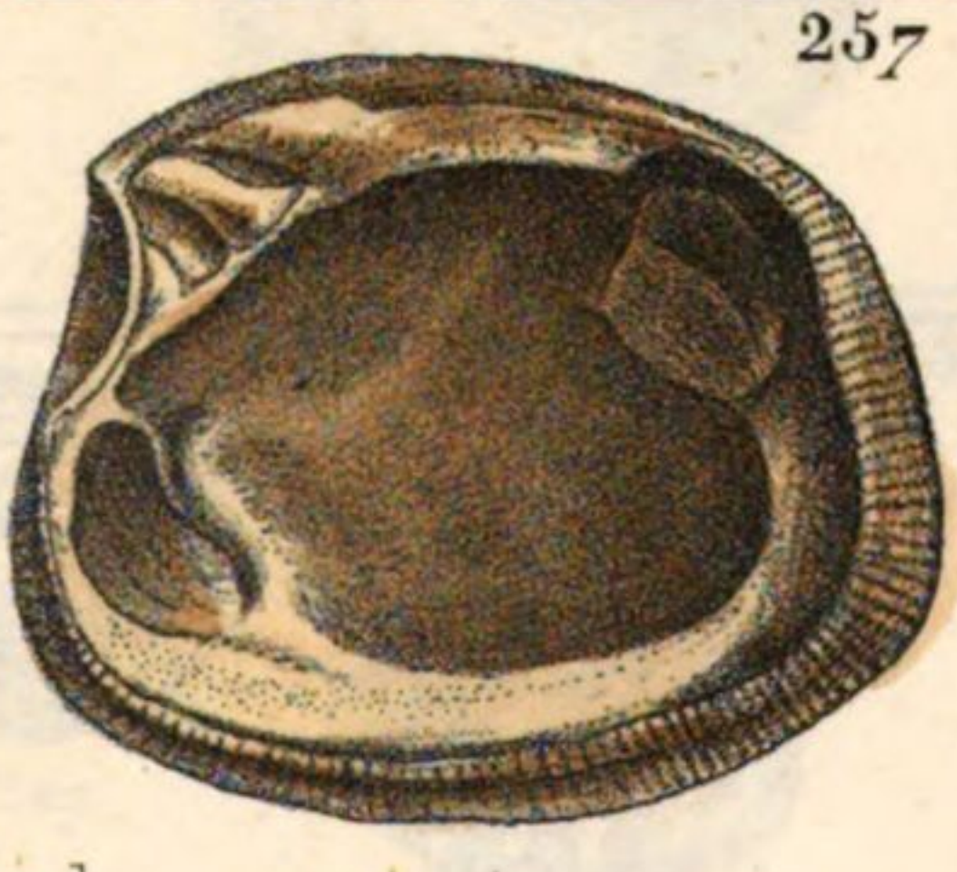




Crag-marl.

257





Crag marl.

Tab. 256. Venus turgida Sow.- Tab. 257. Astarte planata Sow.

258.

1

Crag

2

3

4

5

6

259.

2

1

London-Clay

3

London-Clay

4

5

6

Chalk marl.

Tab. 258 Venericardia senilis Sow.-
Tab. 259 Fig. 1.2.3. Venericardia deltoidea Sow.-Fig. 4.5 Vener. carinata Sow.-

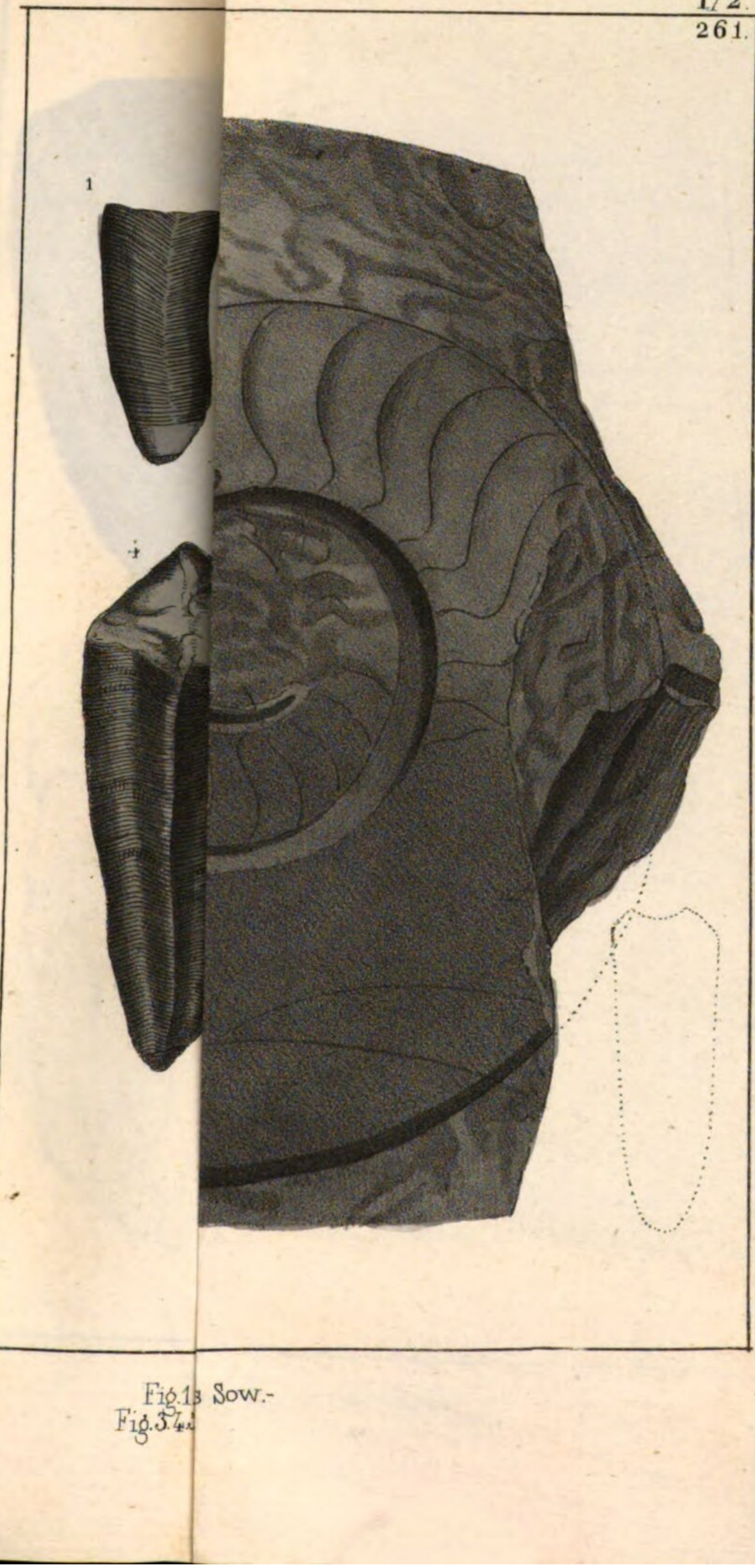


Fig. 1 Sow.-
Fig. 3 4.

Transition-Limestone

Ammonites Henslowi Sow-

1

Kelloway-rock

2

3 Lias.

Inferior-Oolite

4

5

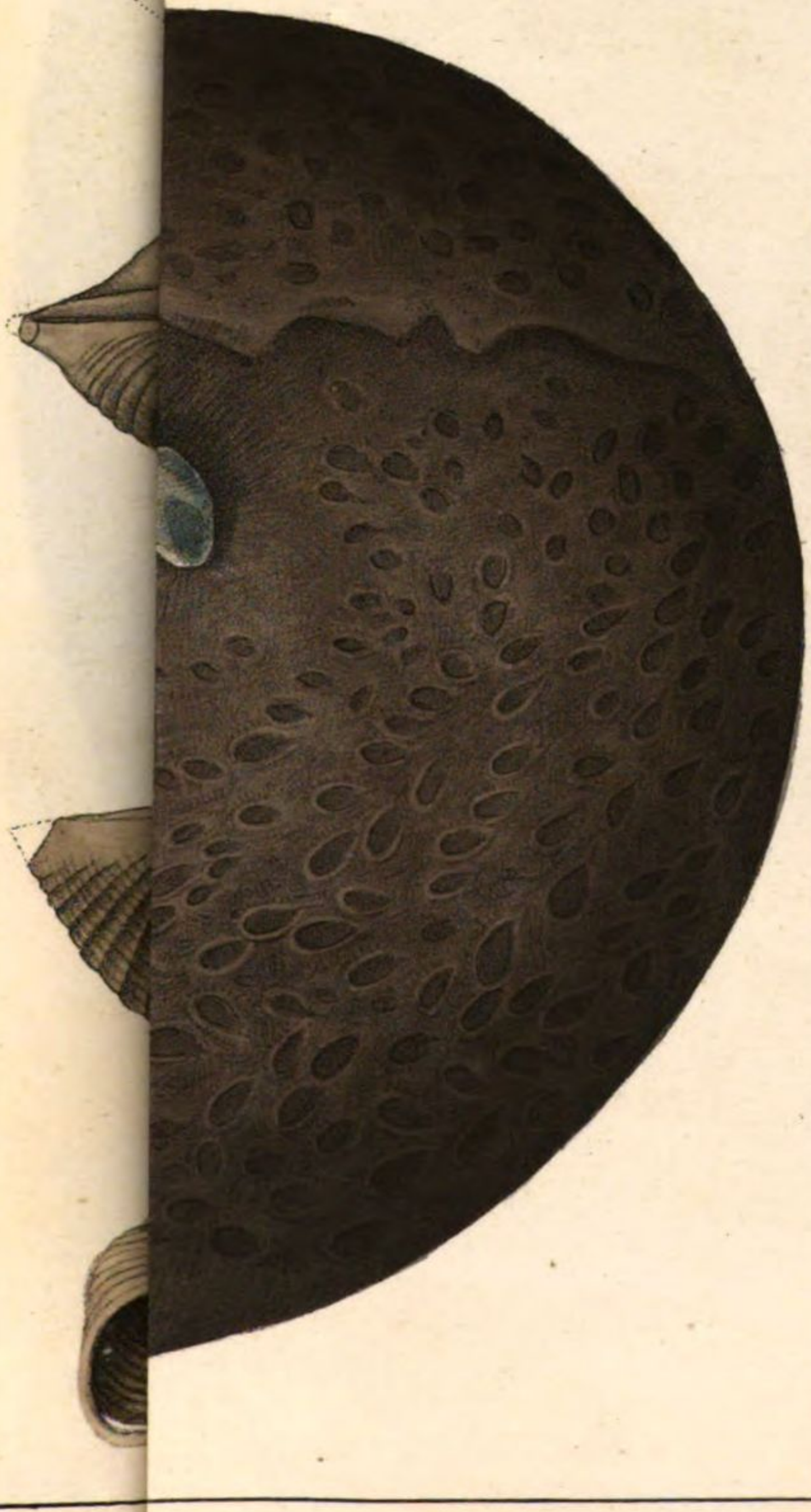
Fig.1.2.3 Ammonites Koënigii Sow.-Fig.4.5 Am. Browni Sow.-

Clunch-Clay.

Lima proboscidea Sow.

Mo

ale

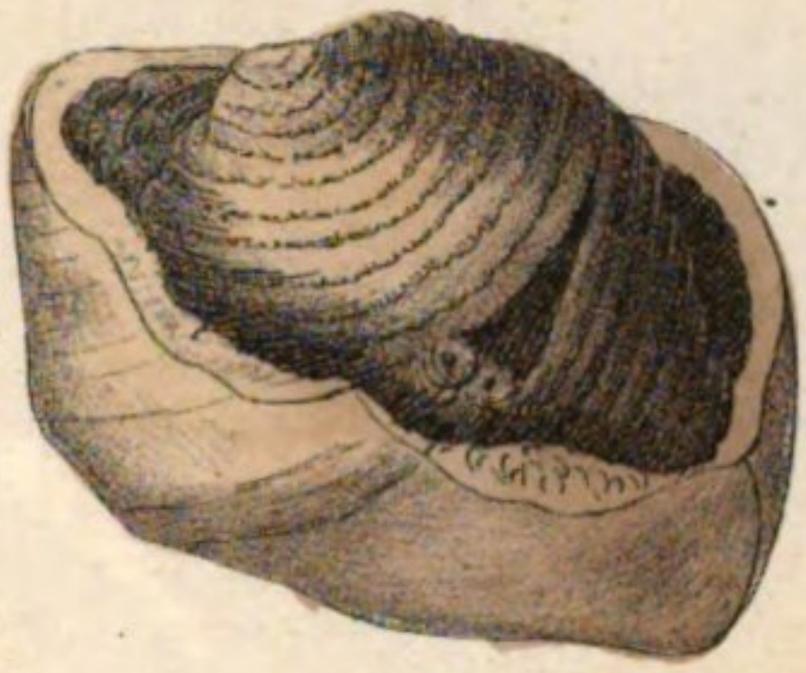


Spirv.-

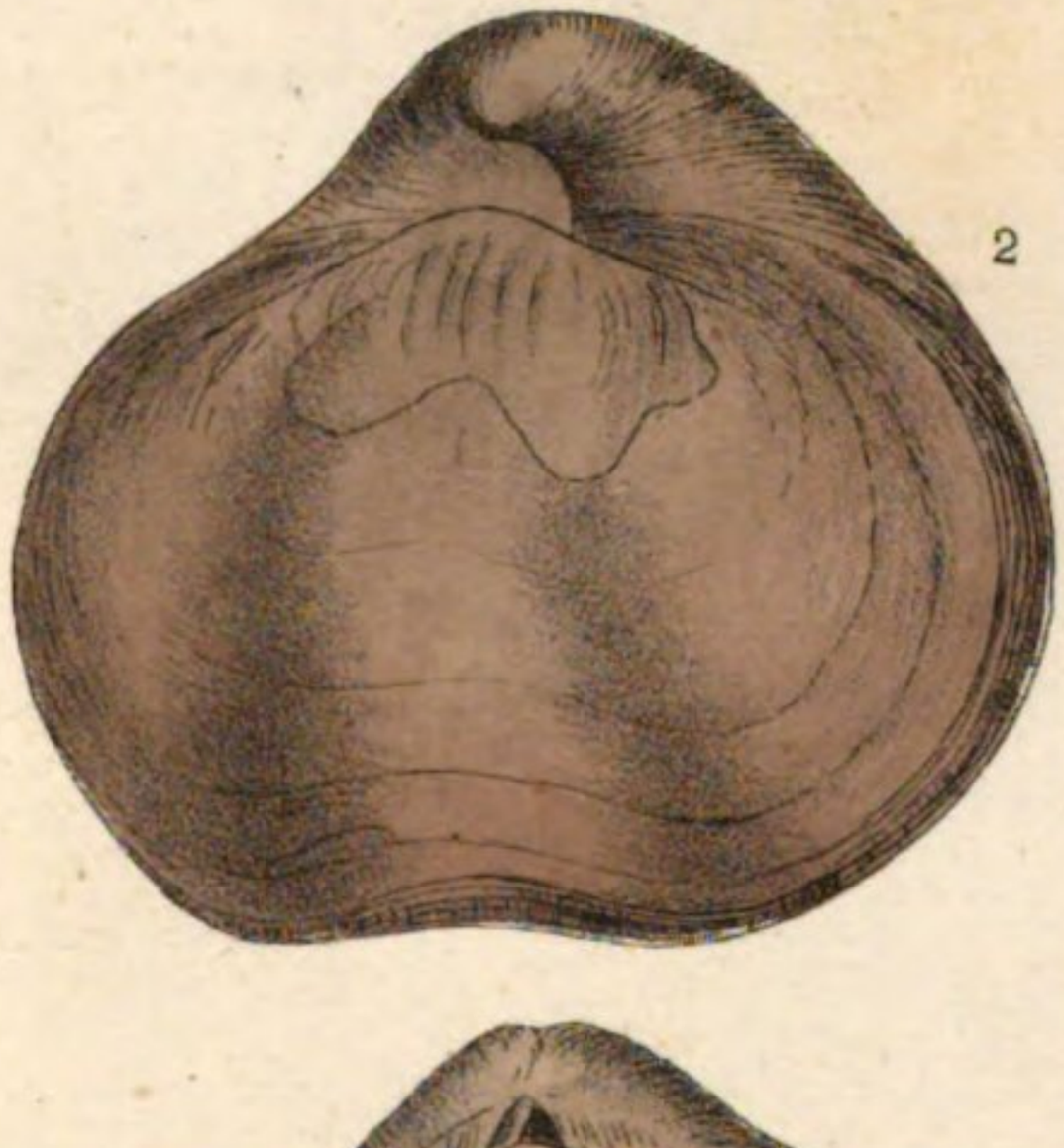
7.

268.

Mountain-Limestone.



1



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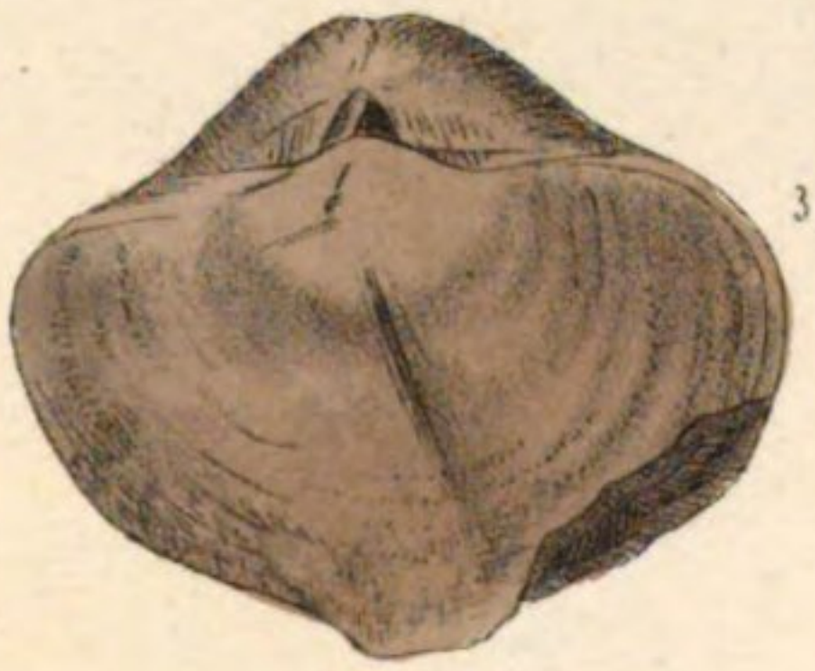


3

4

Spirifer oblatus Sow

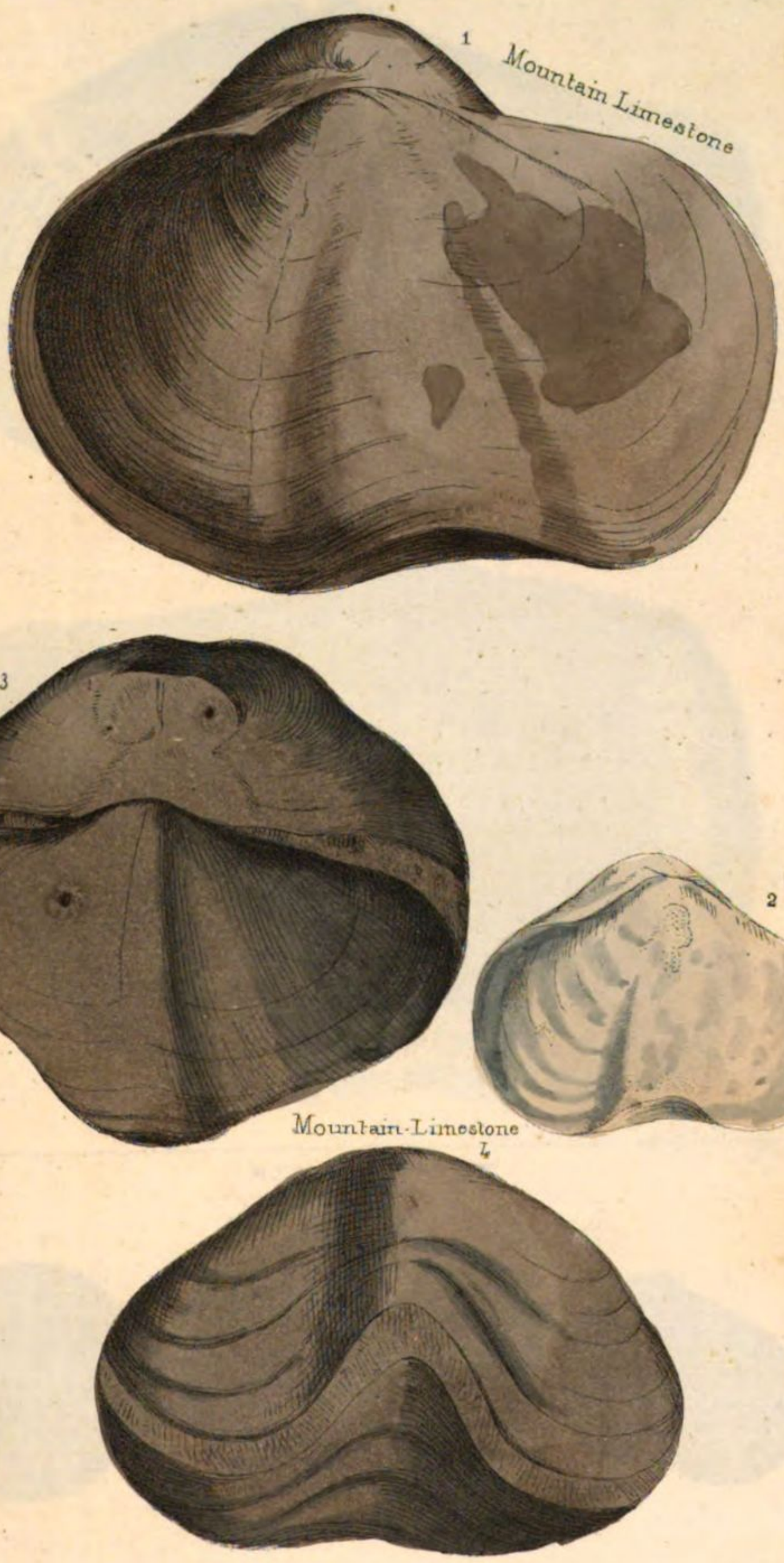
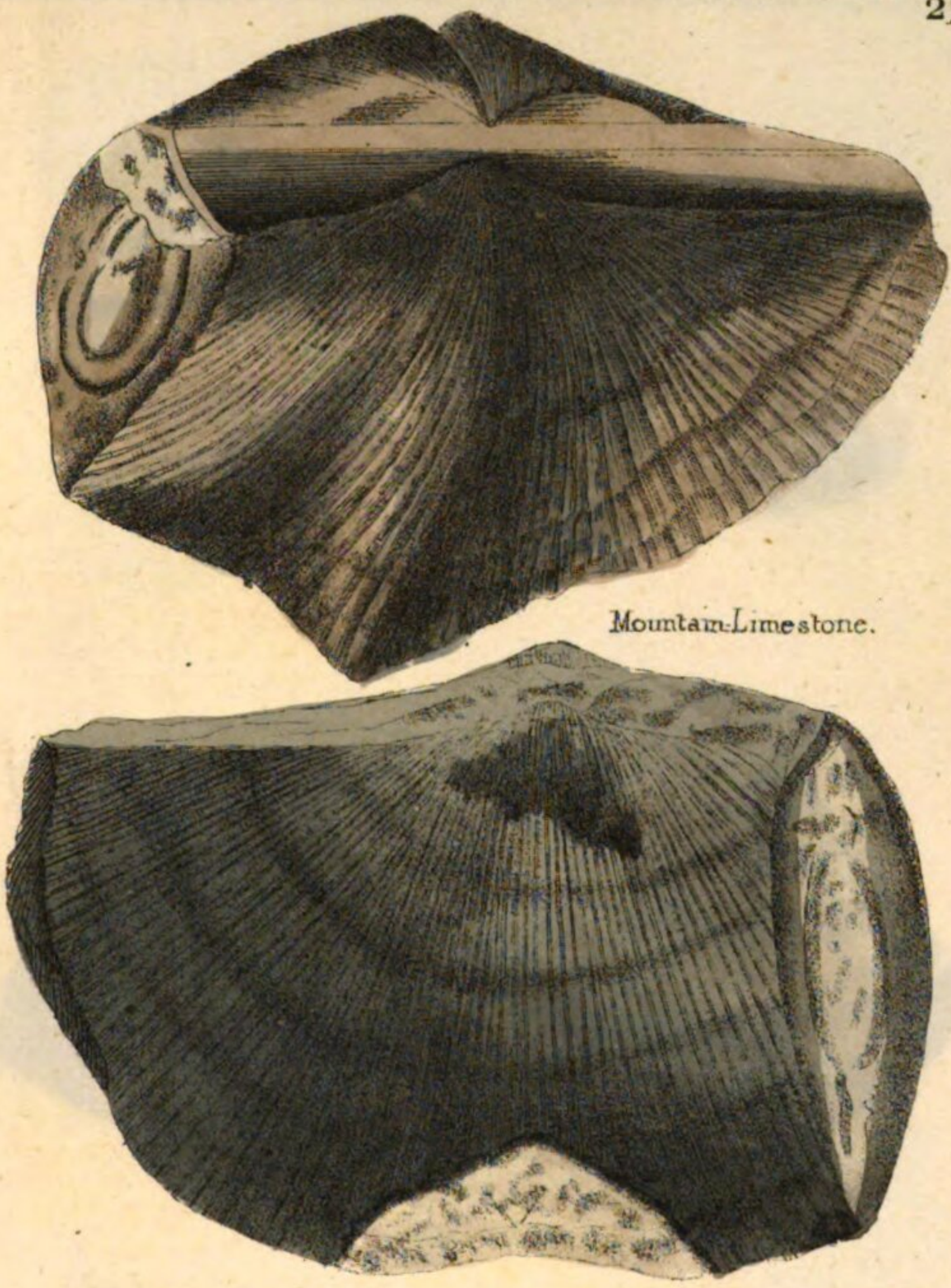


Fig. 1. 2 Spirifer glaber Sow- Fig. 3. 4. Spirifer obtusus Sow-

180.
270



Mountain-Limestone.

Mountain Limestone. 271

Tab. 270 Spirifer striatus Sow Tab. 271. Spirifer pinguis Sow

2

1

Crag.

4

Kimmeridge.
Clag.

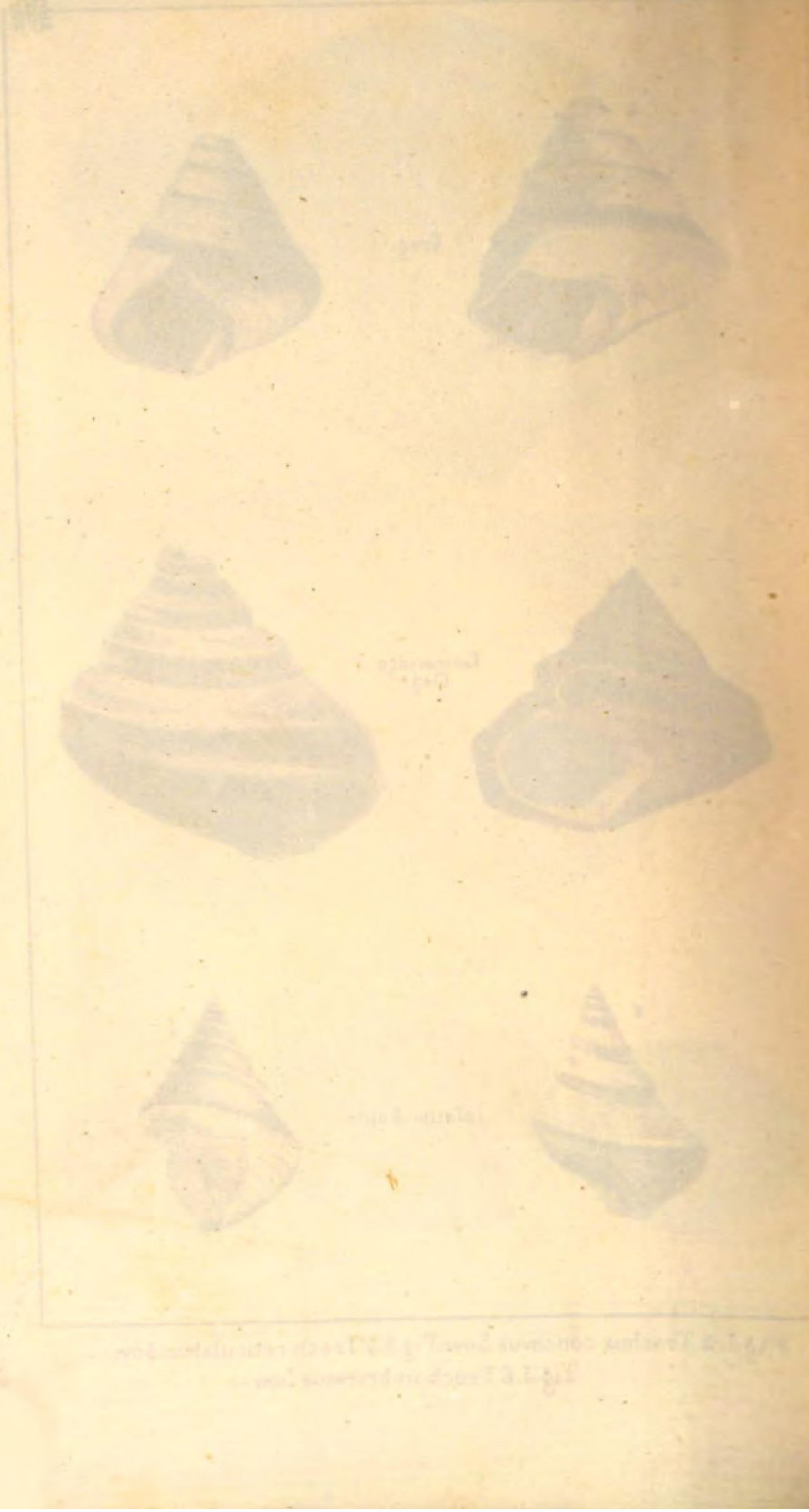
3

6

Inferior-Oolite

5

Fig.1.2.Trochus concavus.Sow:-Fig.3.4.Troch.reticulatus.Sow:-.
Fig.5.6.Troch.imbricatus Sow -.



273.

3.

6

1

Lias

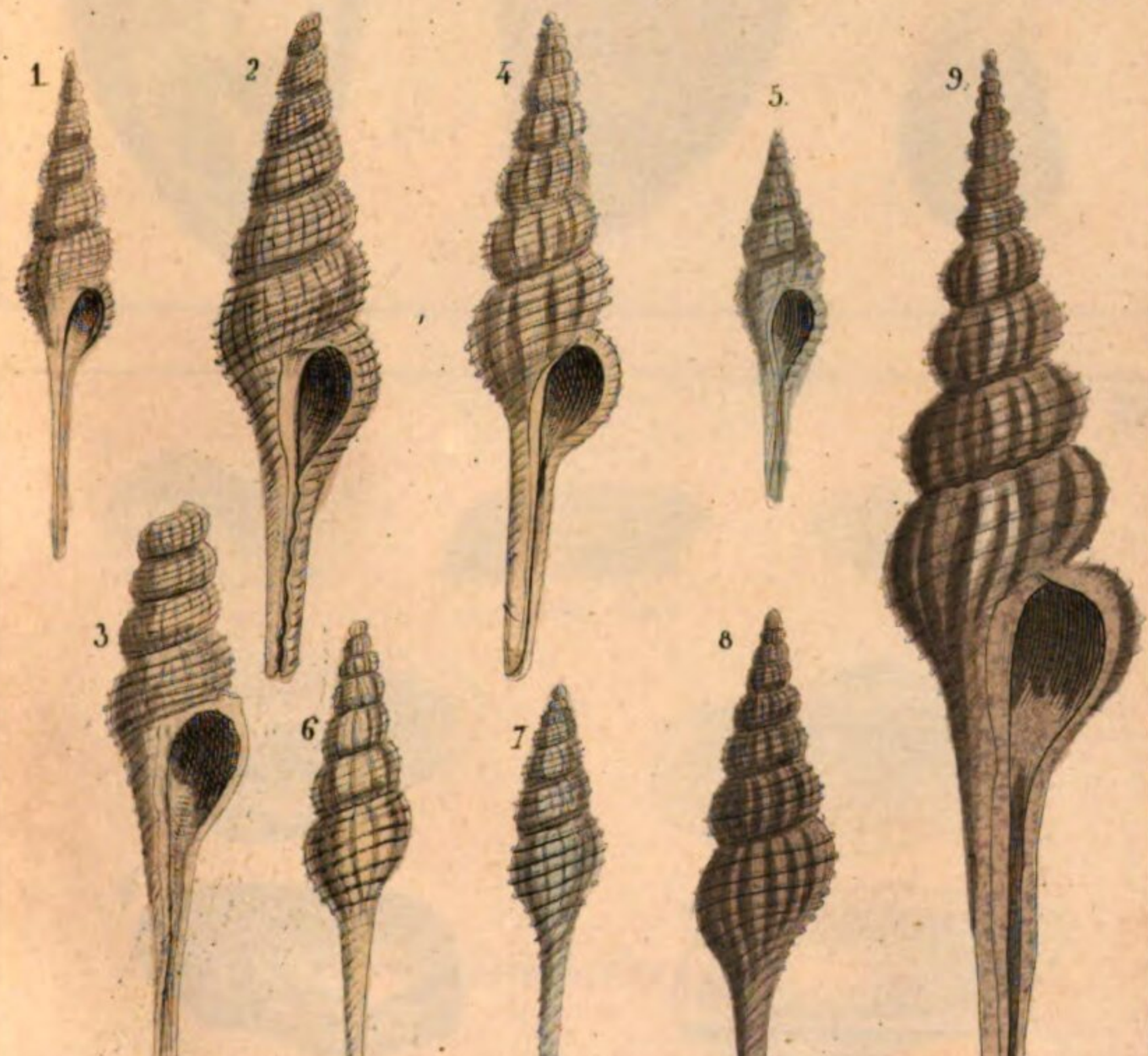
4

5

1 2

London - Clay.

274

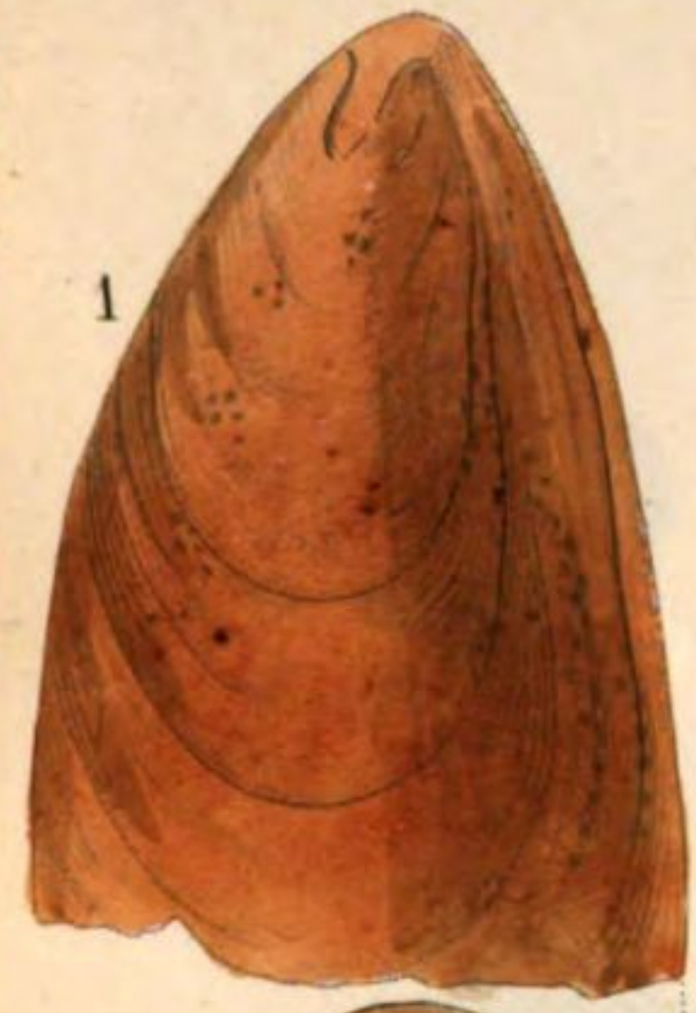


1. 2. 4. 5. 9.

3. 6. 7. 8.

Tab. 273 Fig 1-5 Helicina expansa Sow.
Fig 6. Helic. solanoïdes Sow Tab. 274. Fig. 1.2.3. Fusus acuminatus Sow.
Fig. 4.5.6.7. Fusus asper Sow. Fig. 8.9. Fusus rugosus Lam.

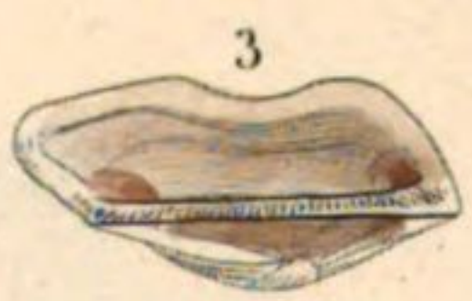
275.



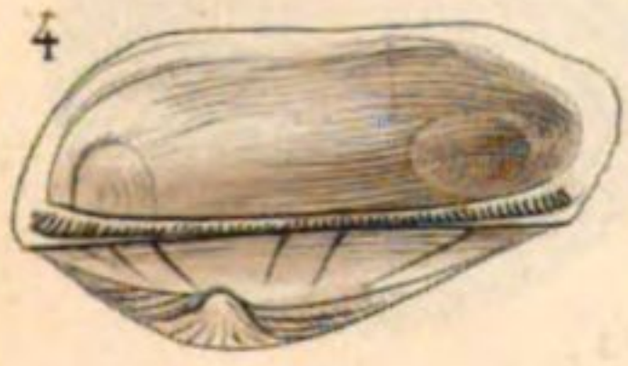
Crag-
Marl

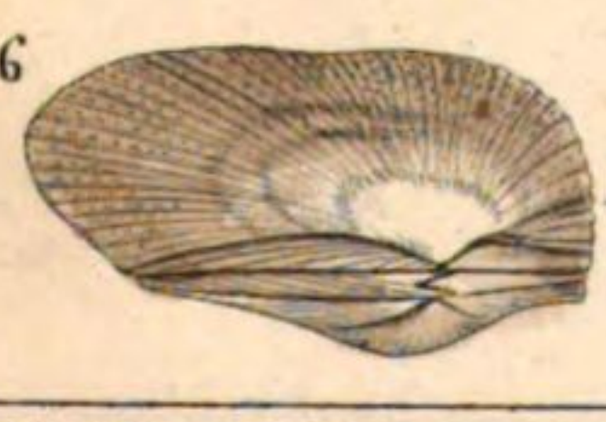
Crag - Marl

276.



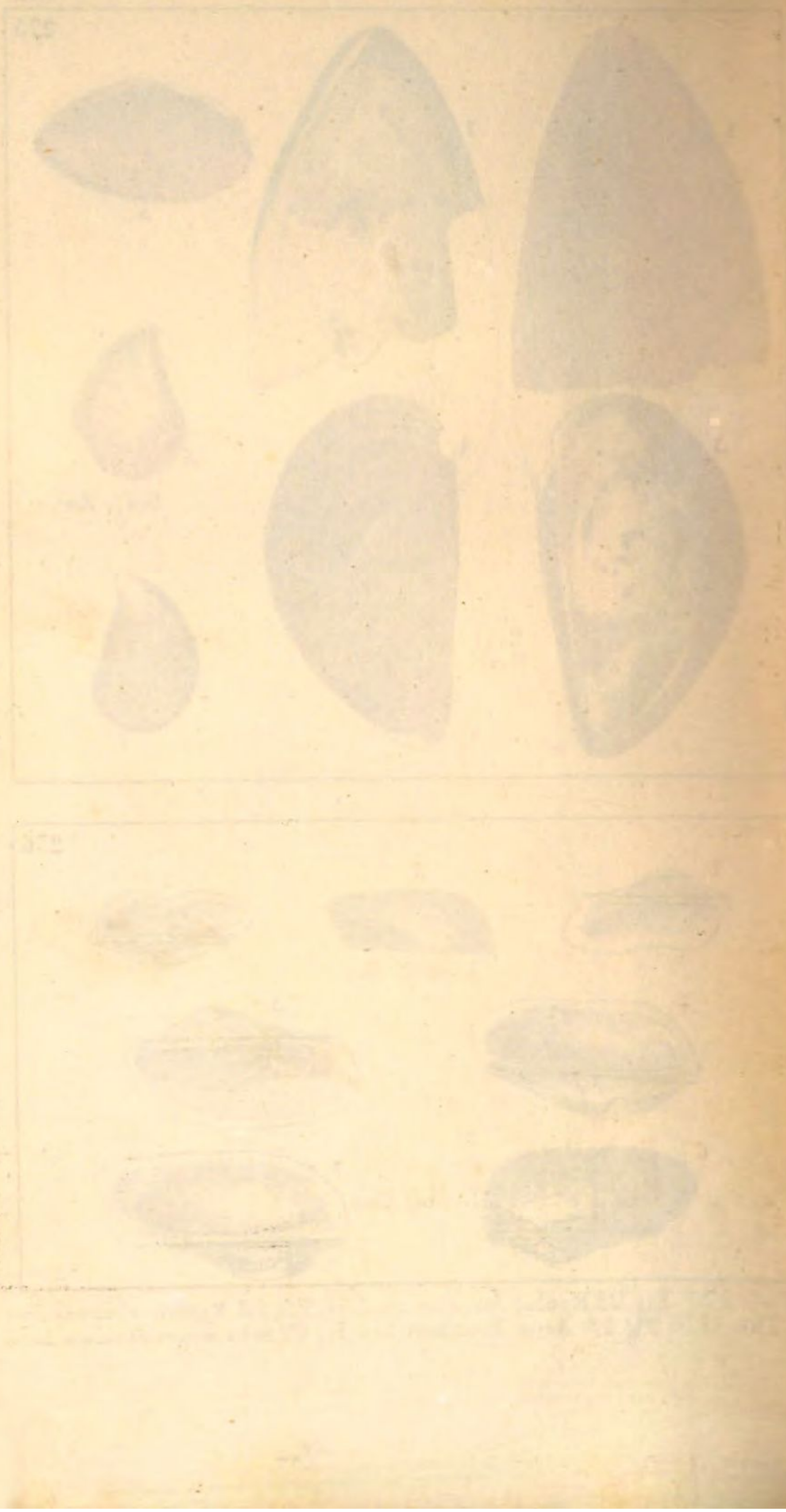
London - Clay





London - Clay

Tab. 275 Fig. 1-5 Mytilus Antiquorum Sow.-Fig. 6-7. Mytilus aliformis Sow.
Tab. 276. Fig. 1-5 Arca Branderi Sow.-Fig. 6 7. Arca appendiculata Sow.



Mountain-Limestone

Crag. Marl

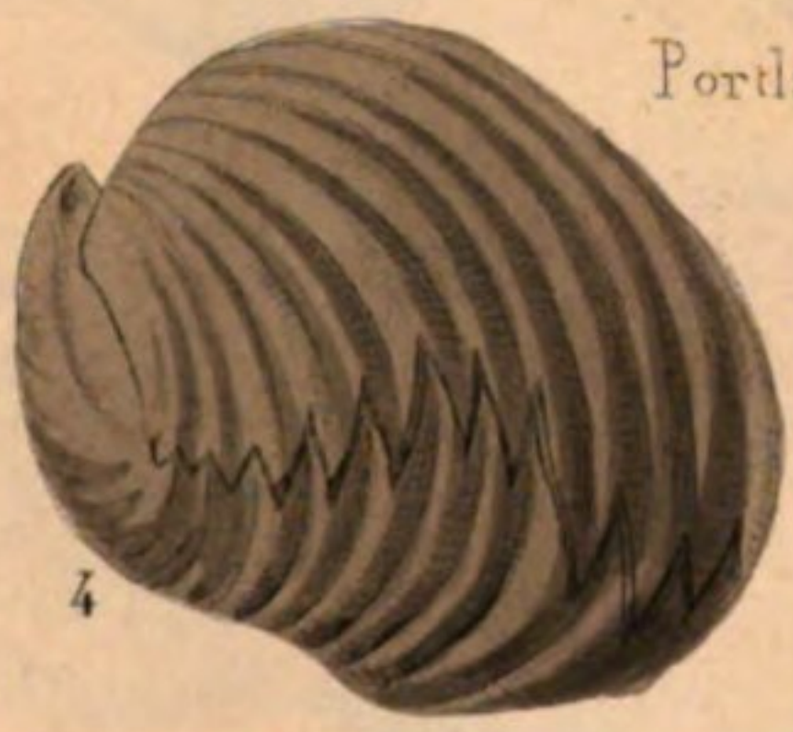
Chalk

1

3

2

Portland Rock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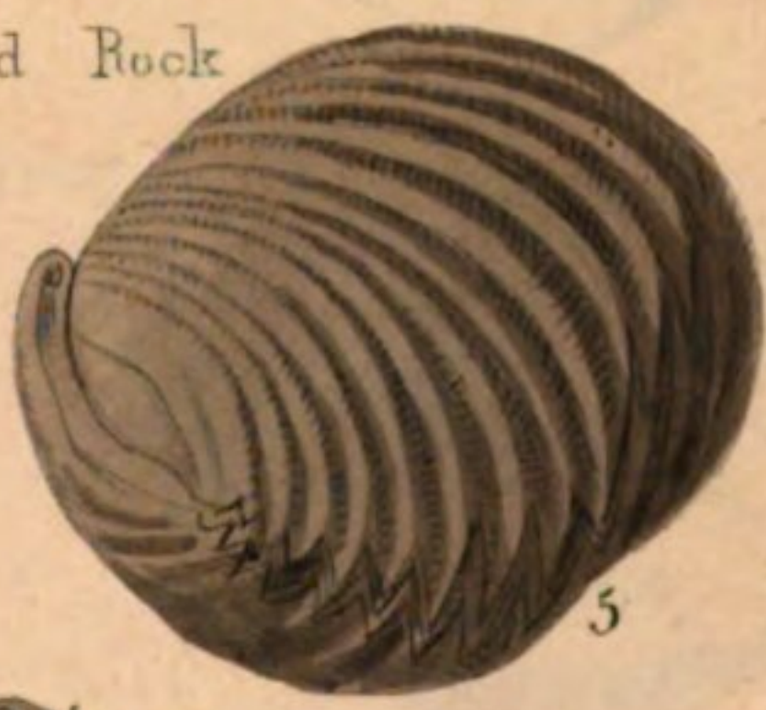

5

6

Greensand

7

8

Fig 1. Terebratula Mantiae. Fig. 2. Tereb obliqua Sow.
F. 36 Tereb inconstans Sow. Fig. 7. 8. Tereb dimidiata Sow.

Chalk-Marl.

1.

2

3

5

4

London-Clay.

6

7

8.

9

Tab. 278 Fig. 1. 2. Trochus Gibbsi Sow. Fig. 3-9. Troch. extensus Sow.

279

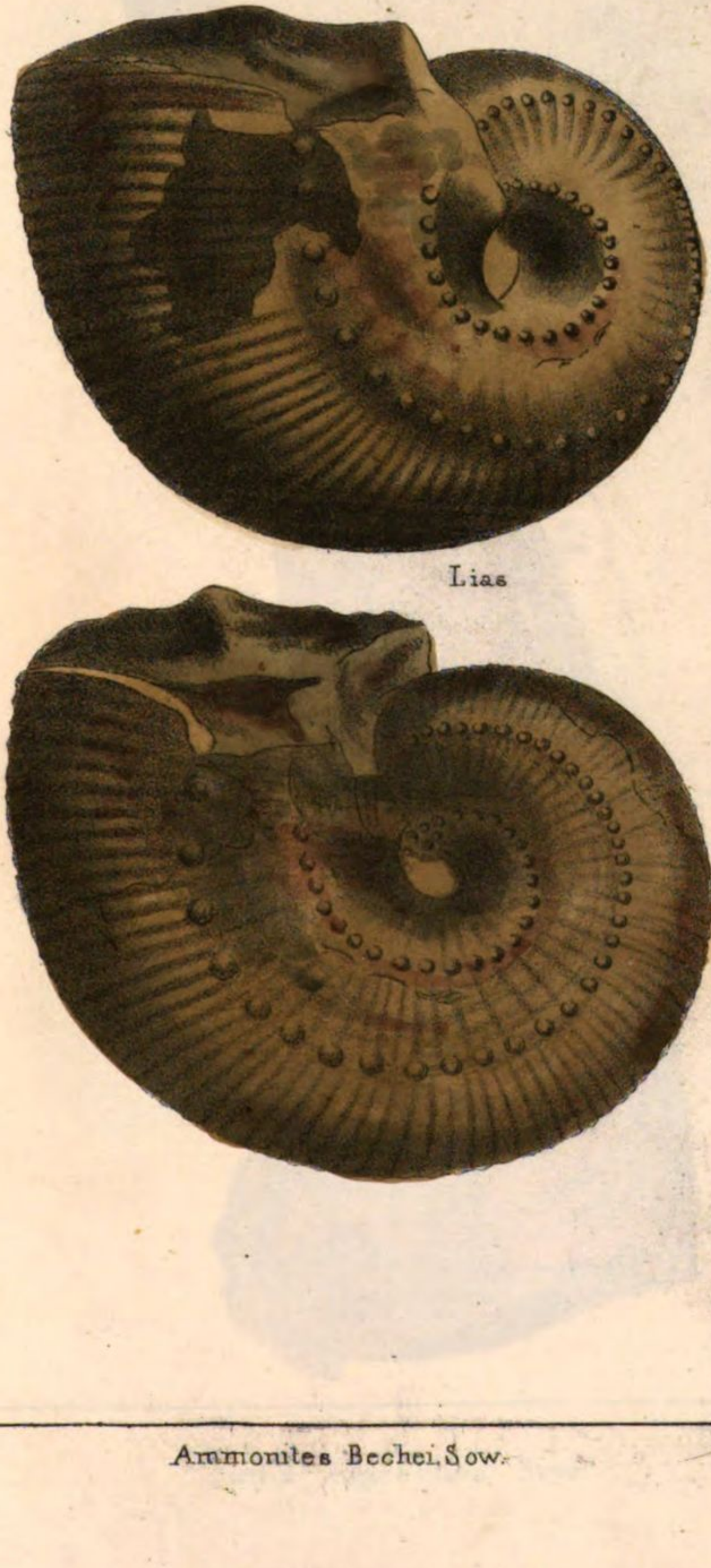
1

2.

3.

Ostrea pulchra Sow.

280.



Lias

Ammonites Bechei, Sow.

281.

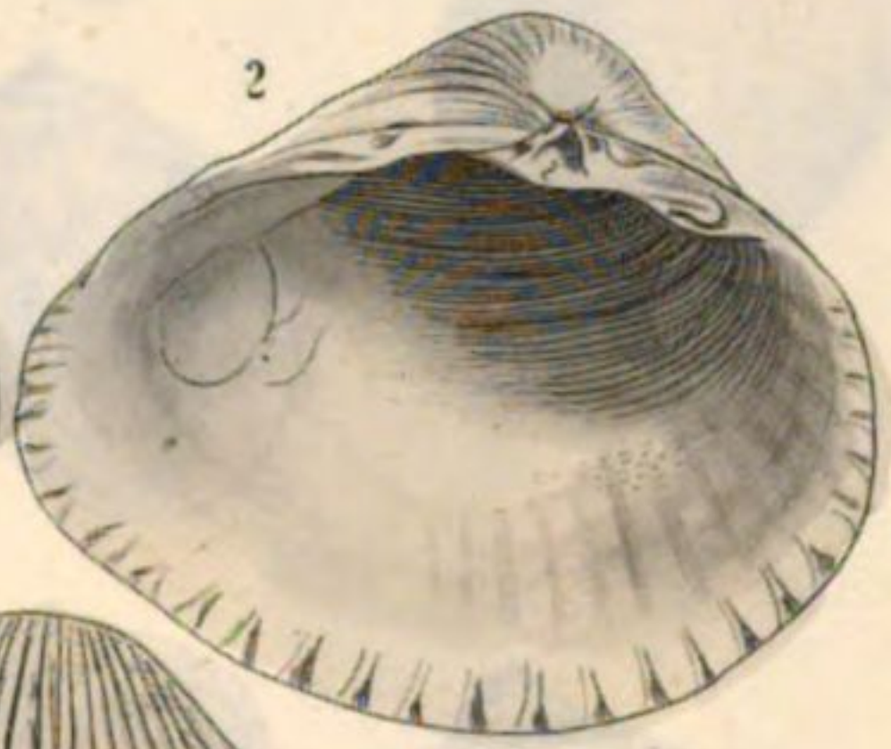
Pinna lanceolata Sow.

Kimmeridge-Clay.

Mytilus pectinatus. Sow.

283.

1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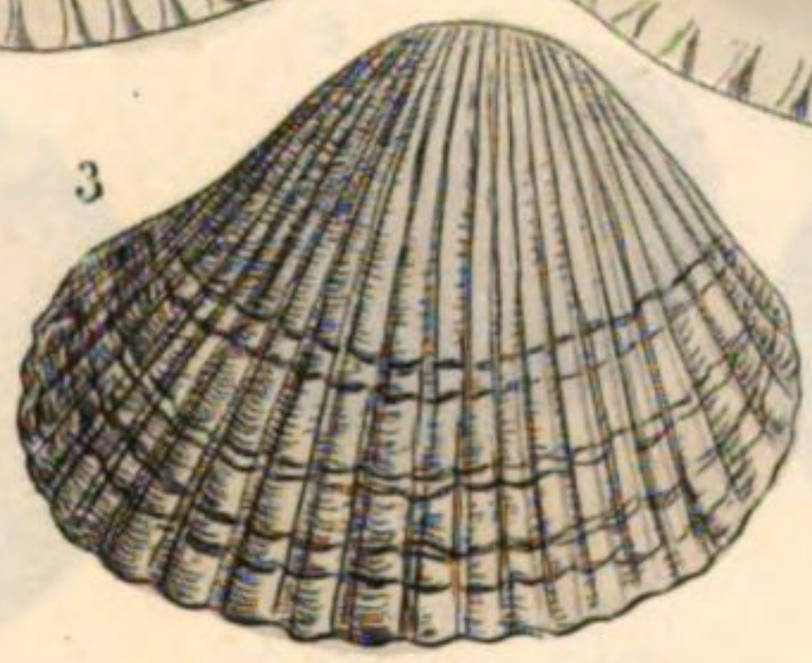
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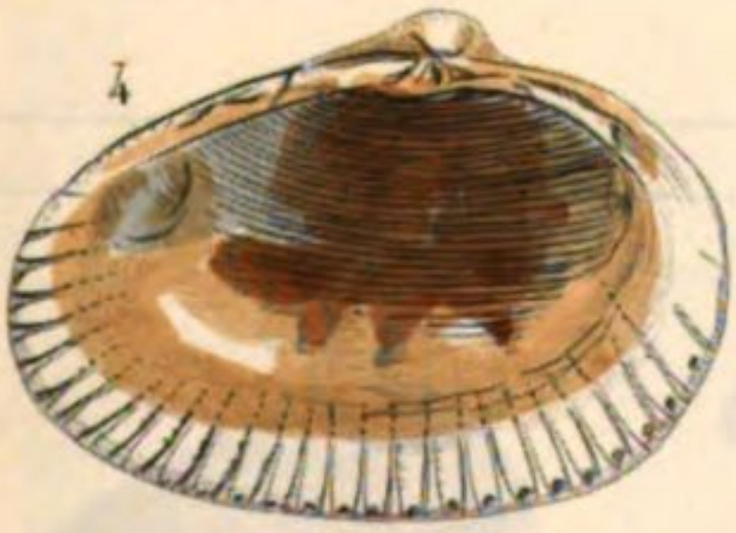
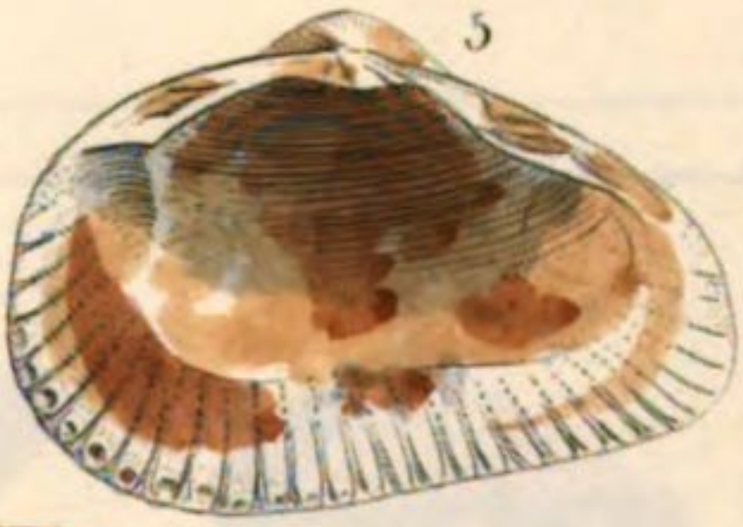

4

Crag


5

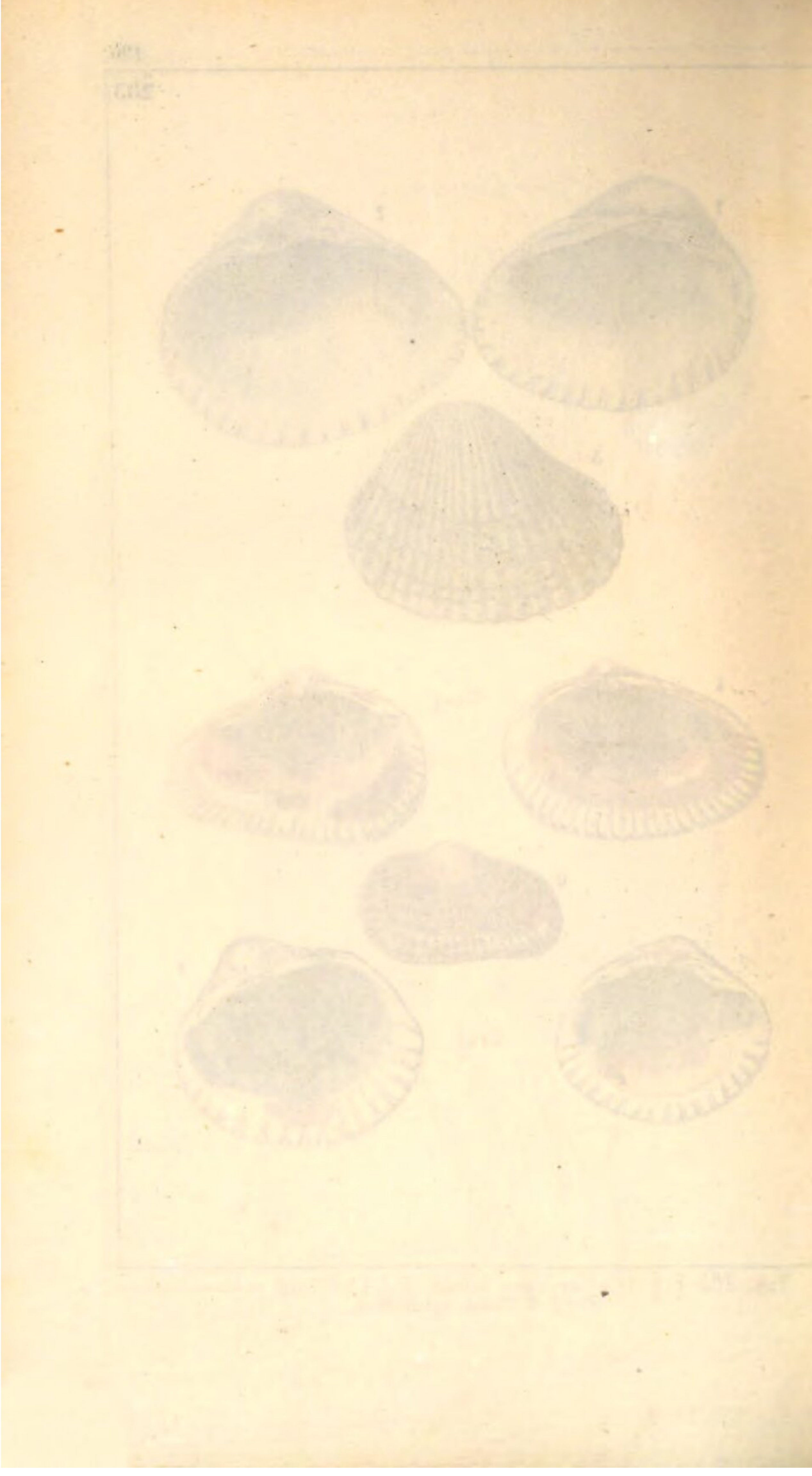
6

7

Crag

8

Tab. 283 Fig. 1-3 Cardium edule. Fig. 4.5.6 Card angustatum Sow.
Fig 7.8. Card. edulinum

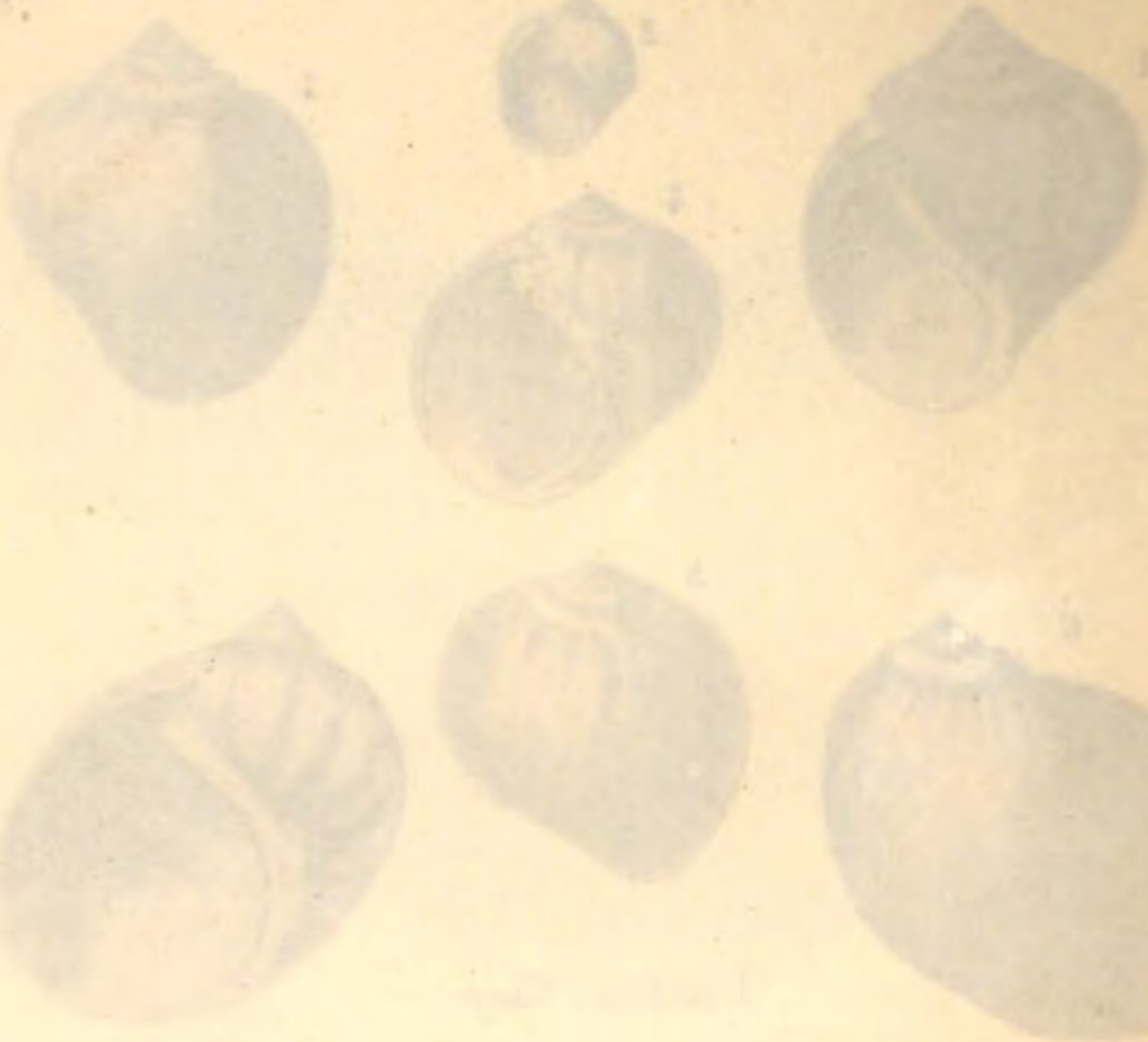


284.

London - Clay

285

Tab. 284 Fig 1.2.3. Ampullaria acuta Lam.- Fig 4.5. Amp. patula Lam.
Fig. 6.7. Amp. sigaretina Lam.- Tab. 285 Helicina polita Sow.

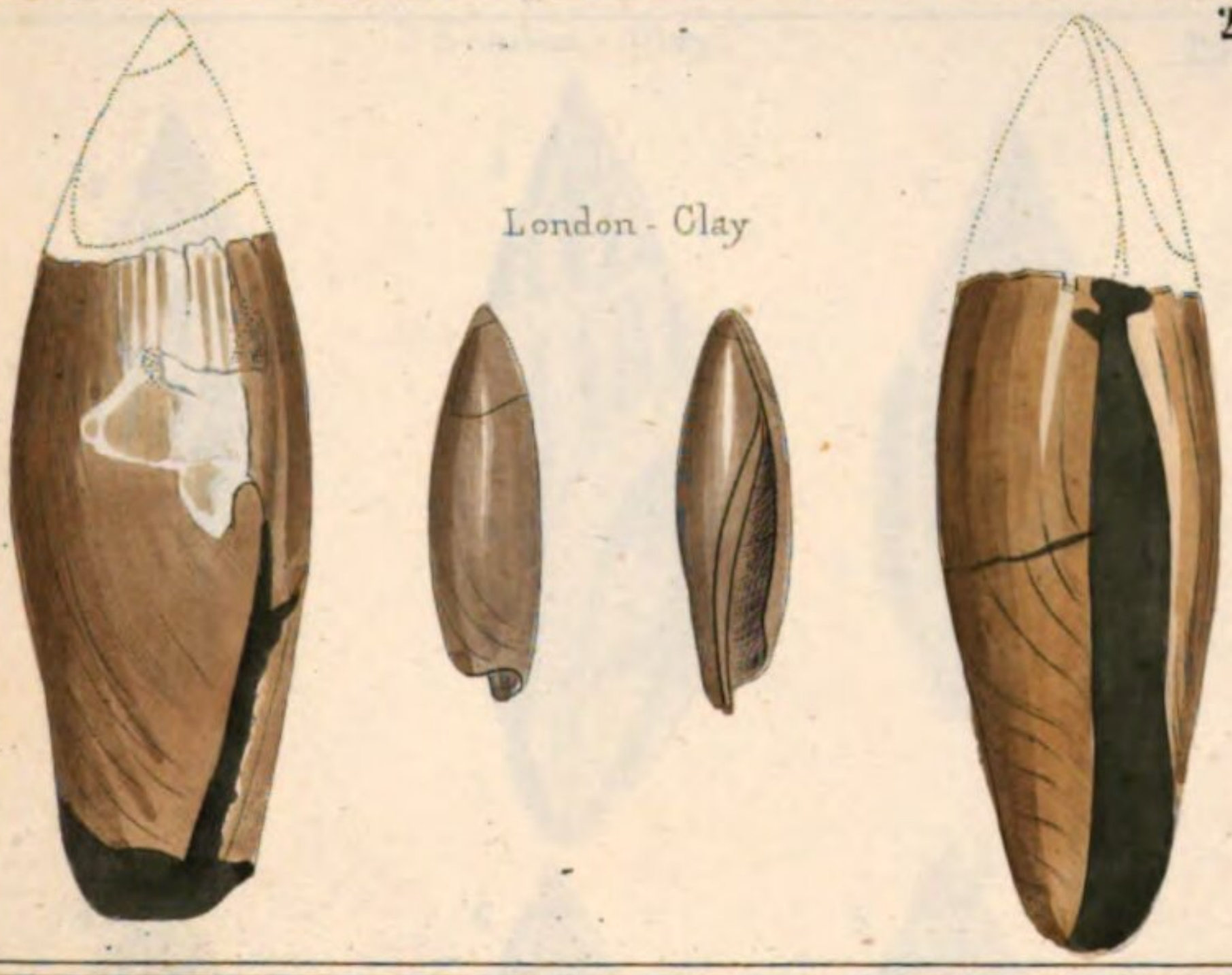


192

286

London-Clay

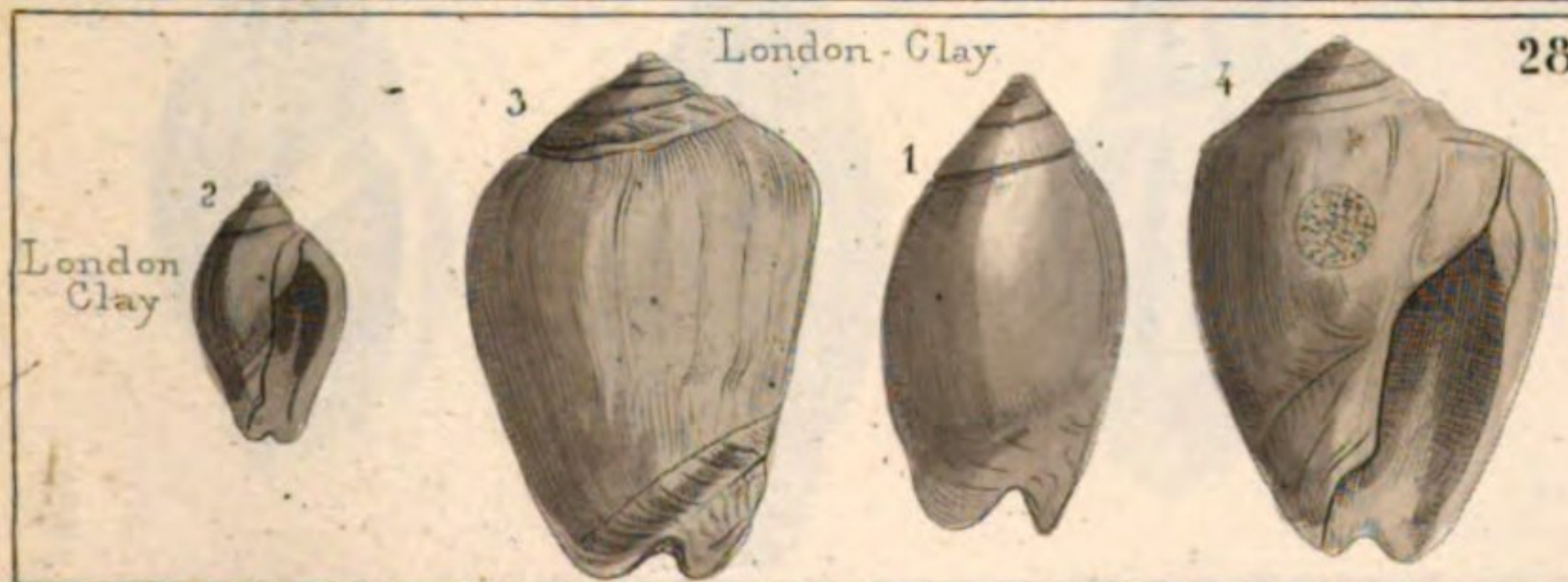
287



London - Clay

288

London - Clay



London Clay

Tab. 286 Seraphs convolutus Montf.-Tab. 287. Terebellum fusiforme Lam.
Tab. 288 Fig 1. Oliva Branderi Sowy. - Fig 2.3.4 Oliva Salisburiana Sow.

289

London - Clay

290.

Tab 289. Fig. 1-5. Venericardia globosa Sow. - Fig. 6-8. Vener. oblonga Sow.
Tab. 290. Fig. 1-5. Voluta costata Brand. - Fig. 6. Vol. Magorum Brocchi.

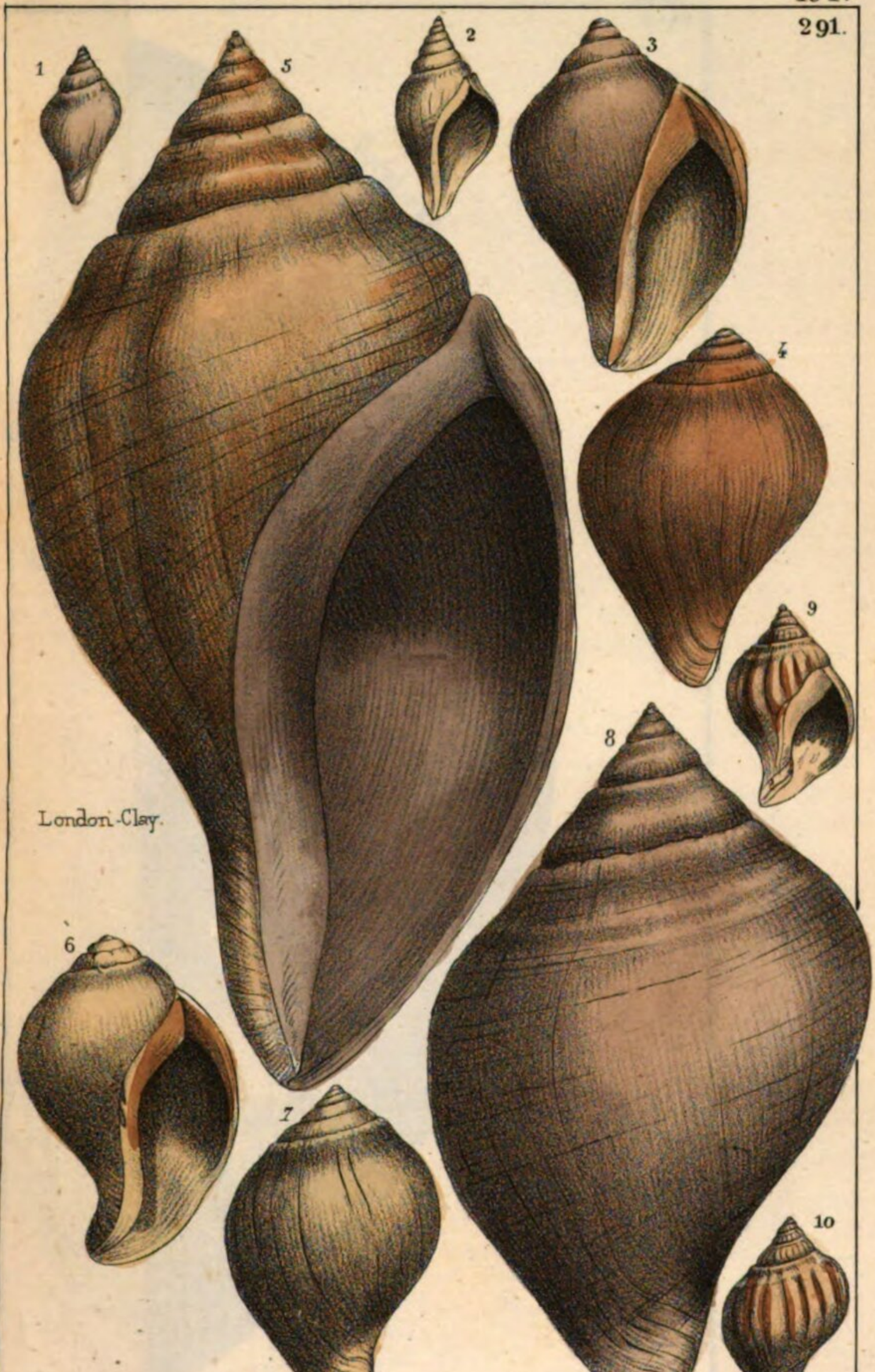
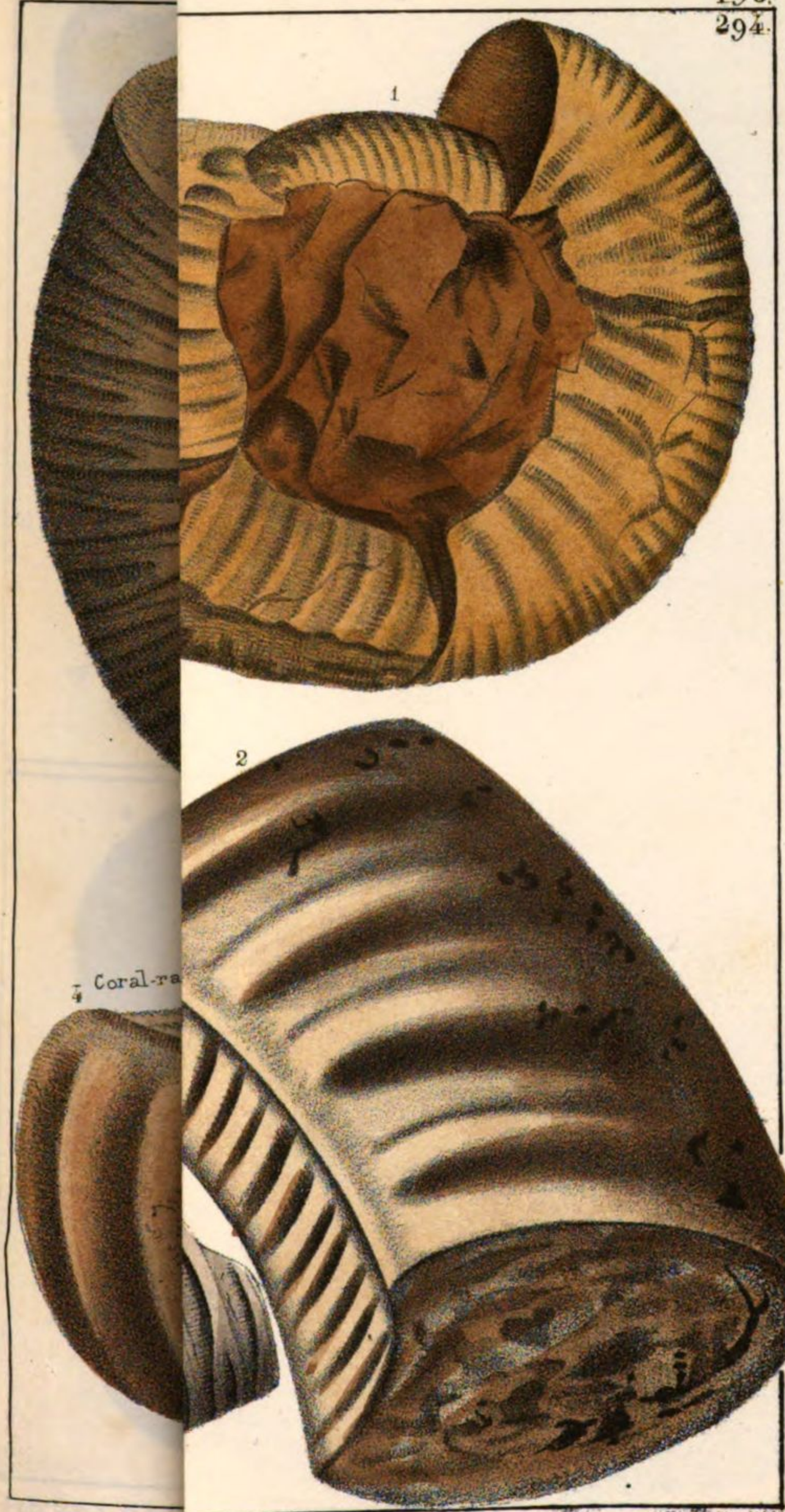
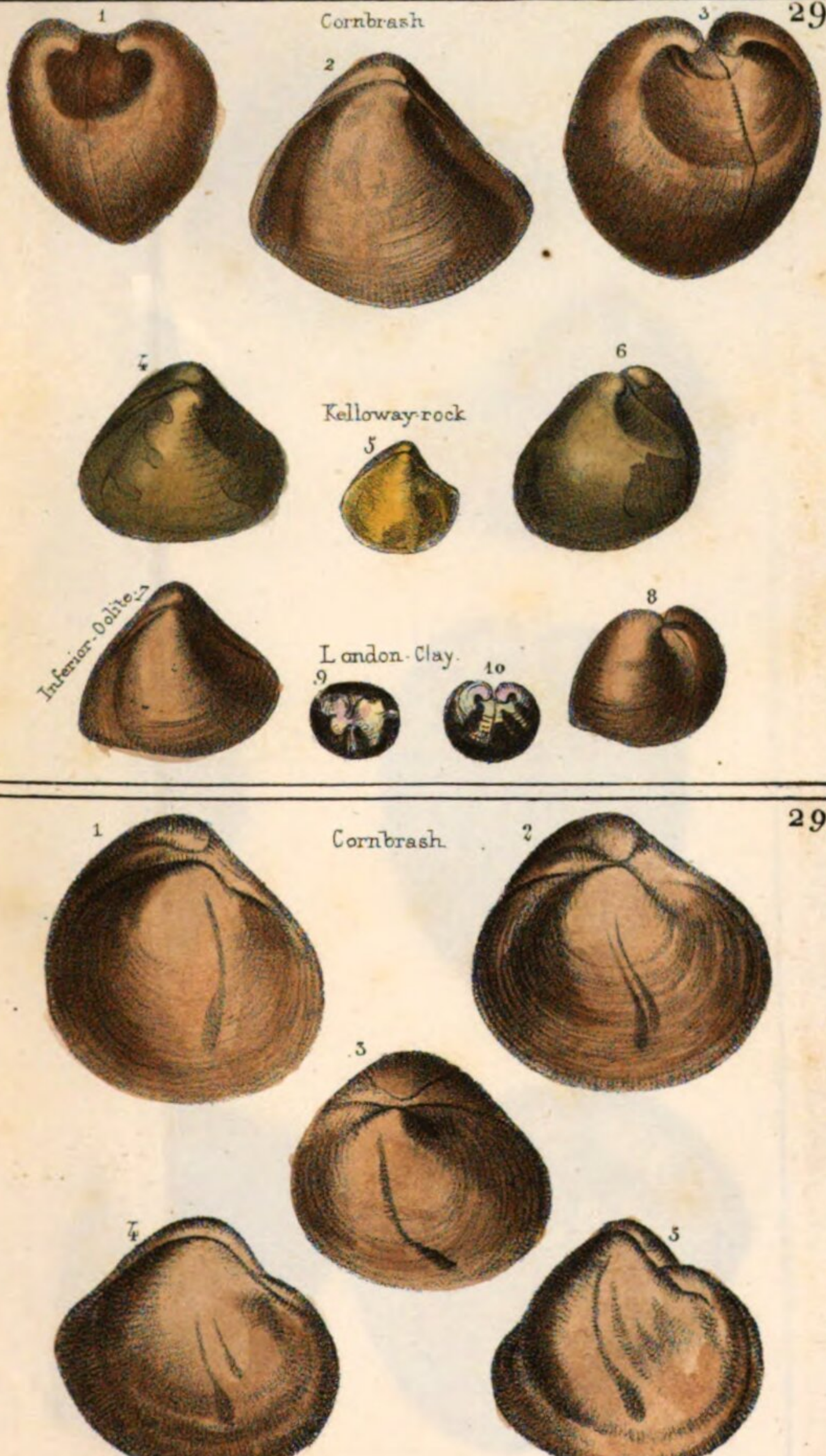


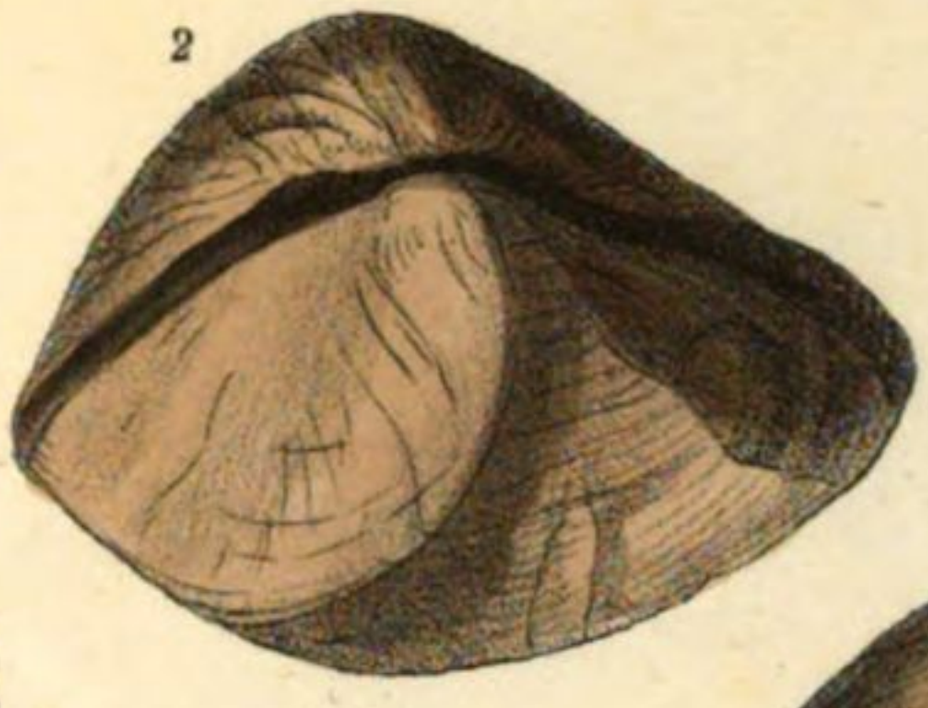
Fig. 1-8. Fusus bulbiformis. Lam.
Fig. 9. 10. Fusus ficulneus. Sow.

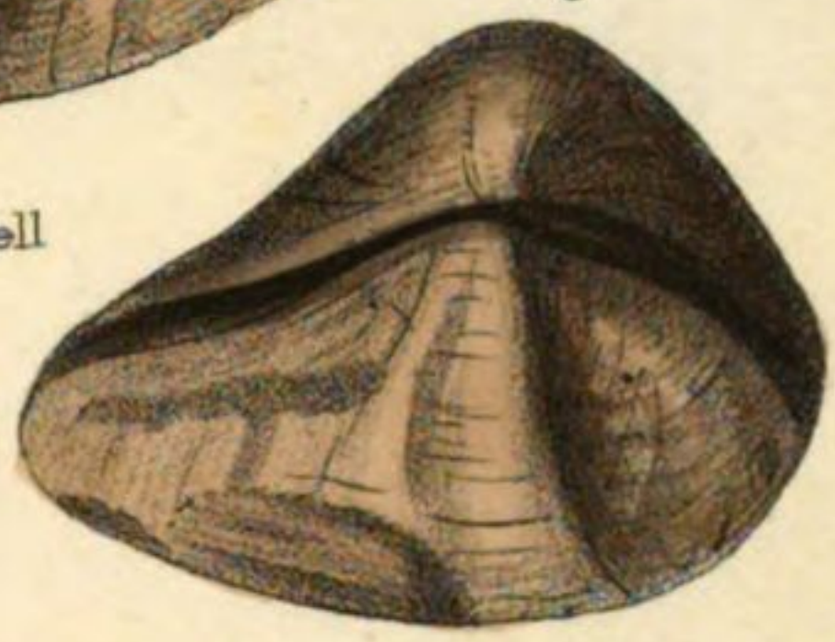


Tab. 2[illegible]ab. 294. Ammonites decipiens Sow.



Tab. 295. Fig. 1 2 3. Isocardia minima Sow.- Fig. 4.5.6. Is. tener. Sow.-
Fig. 7.8. Is. rostrata Sow.- Fig. 9.10. Is. sulcata. Sow.
Tab. 296. Venus varicosa Sow.

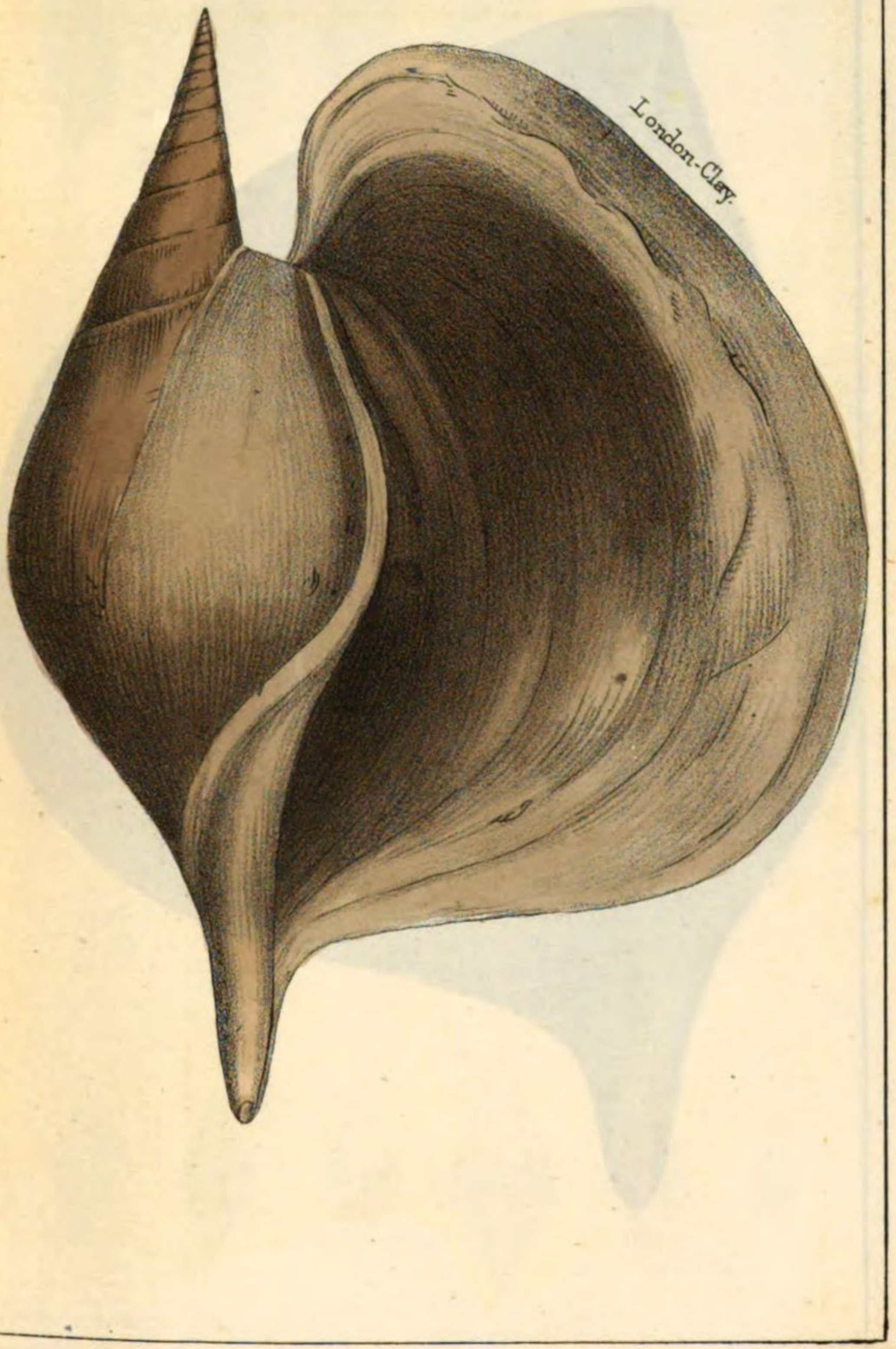




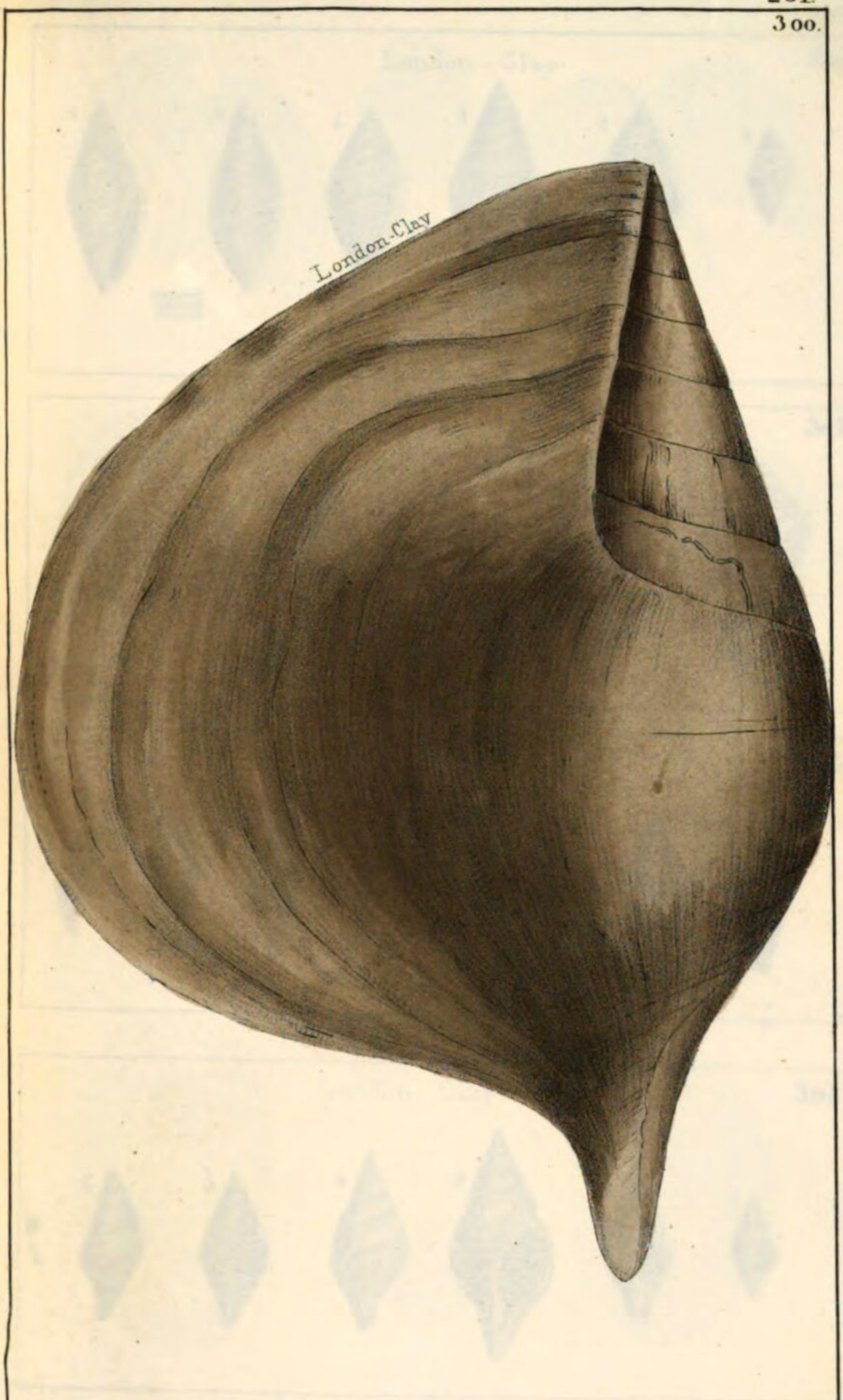
London-Deep-Well

London-Clay

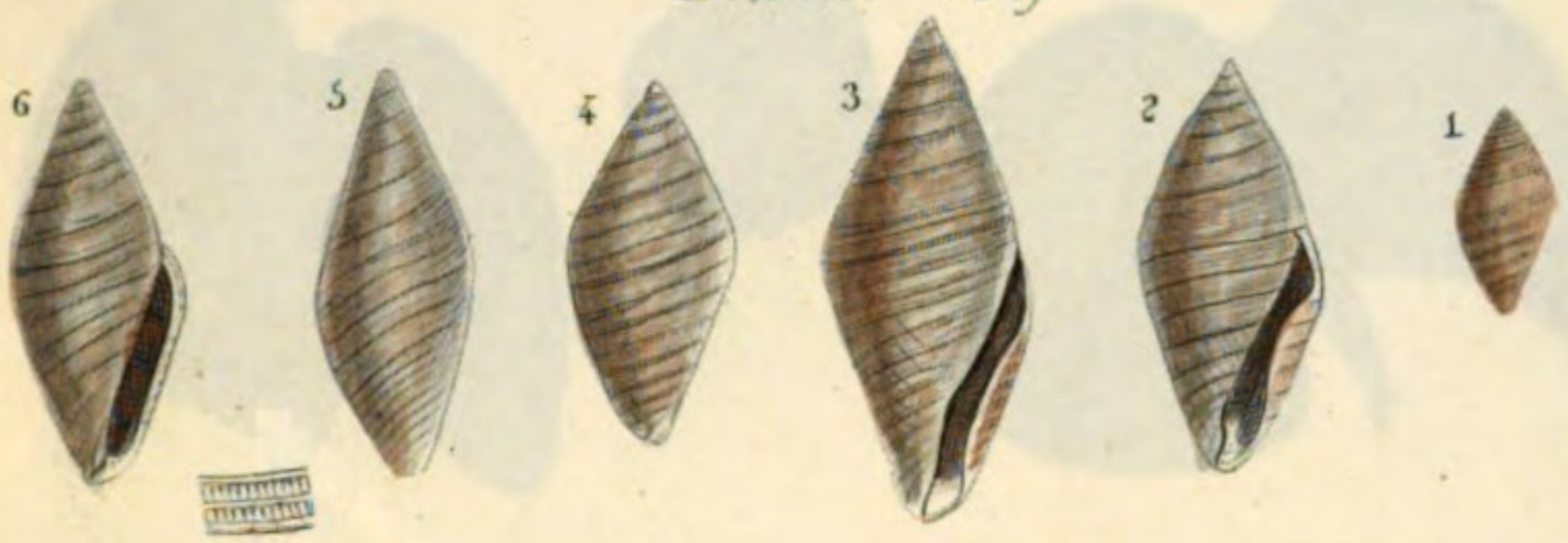
Cardita margaritacea. Sow.

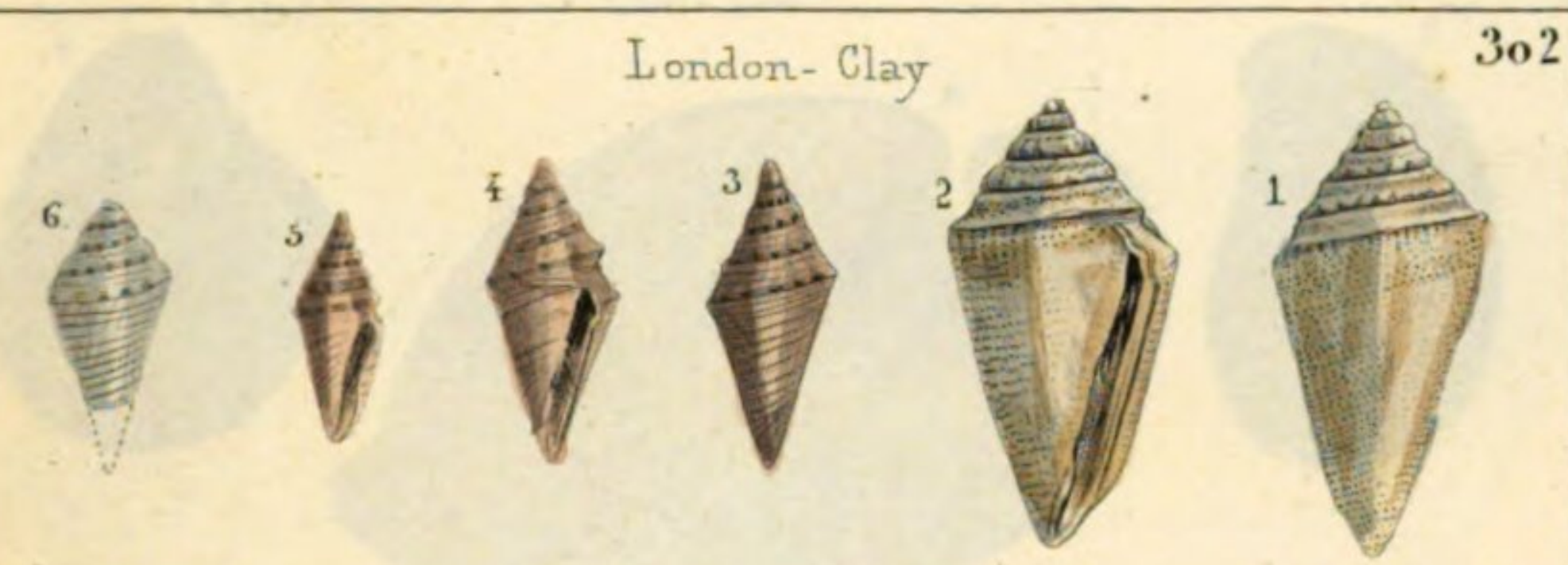


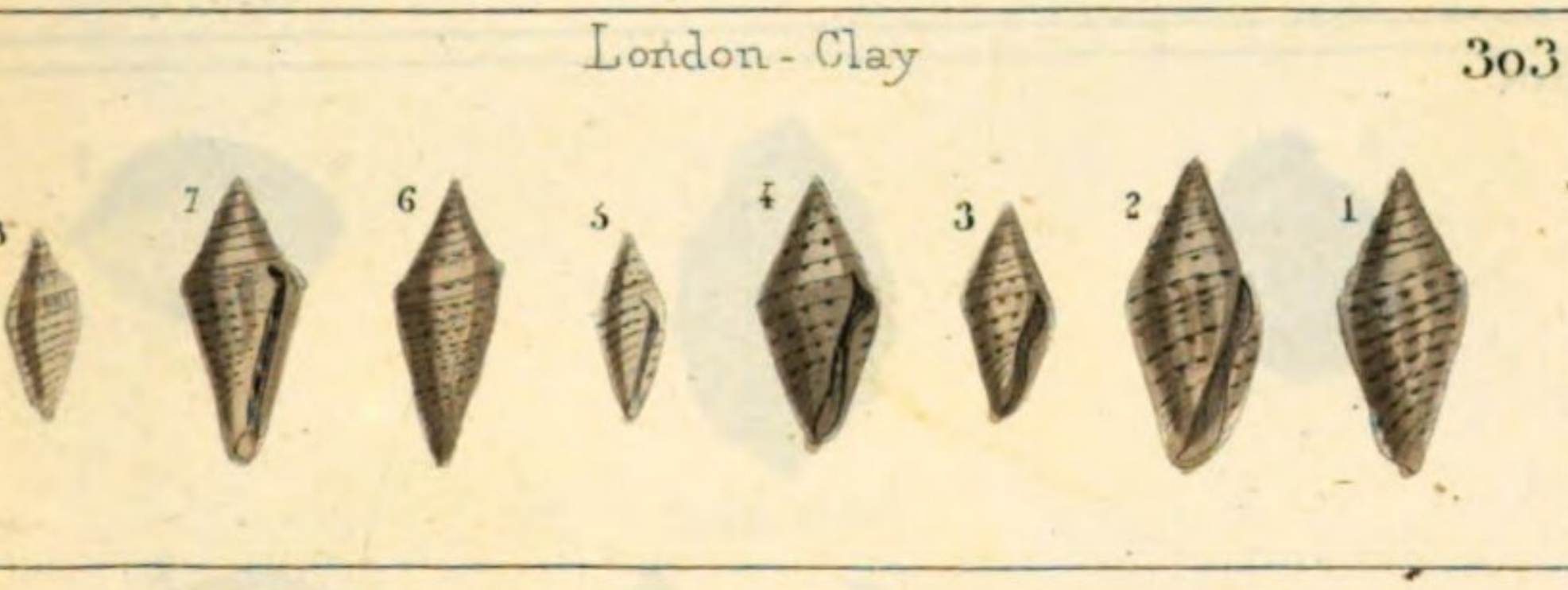
Rostellaria macroptera Lam.



Rostellaria macroptera. Lam.

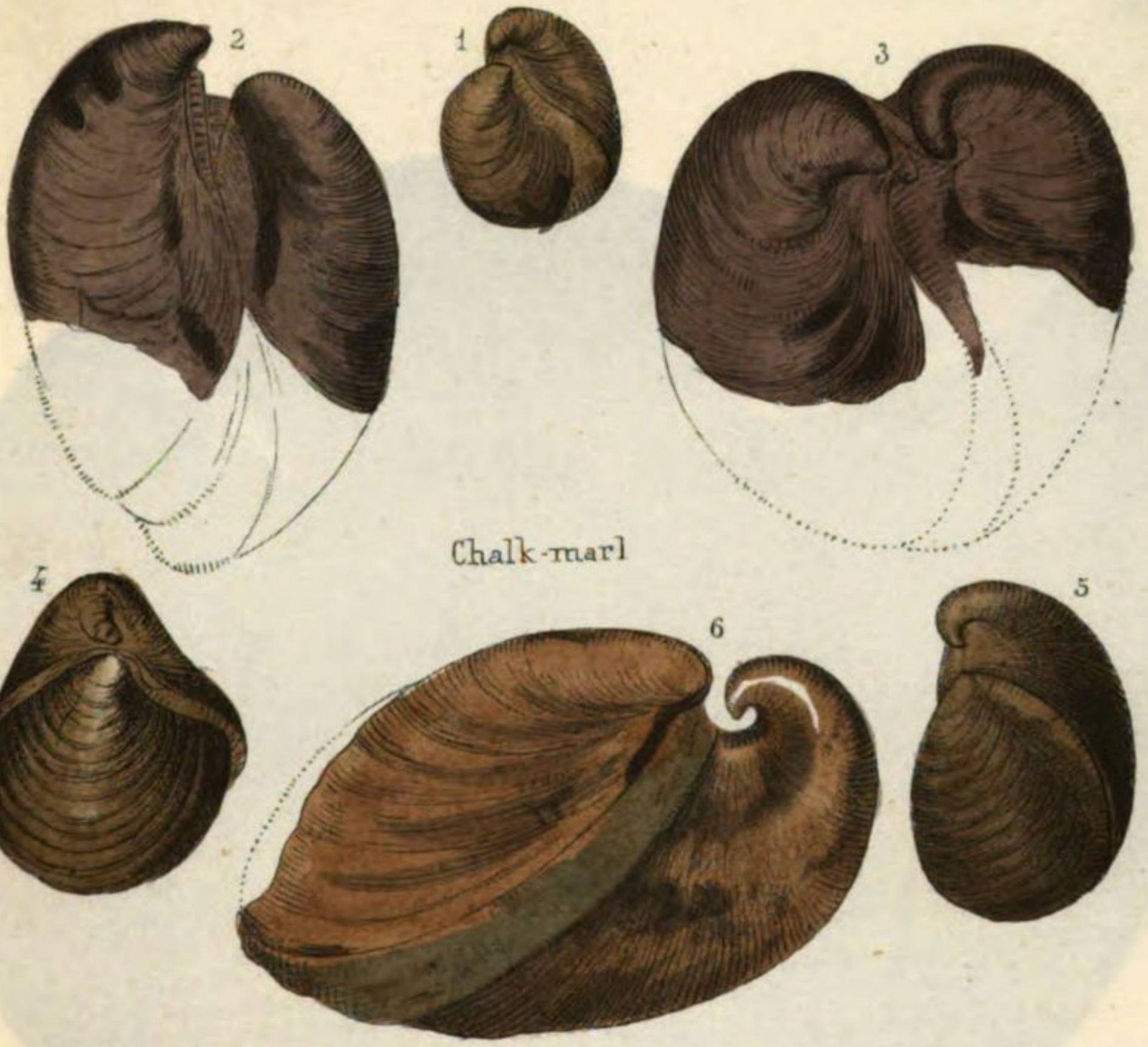






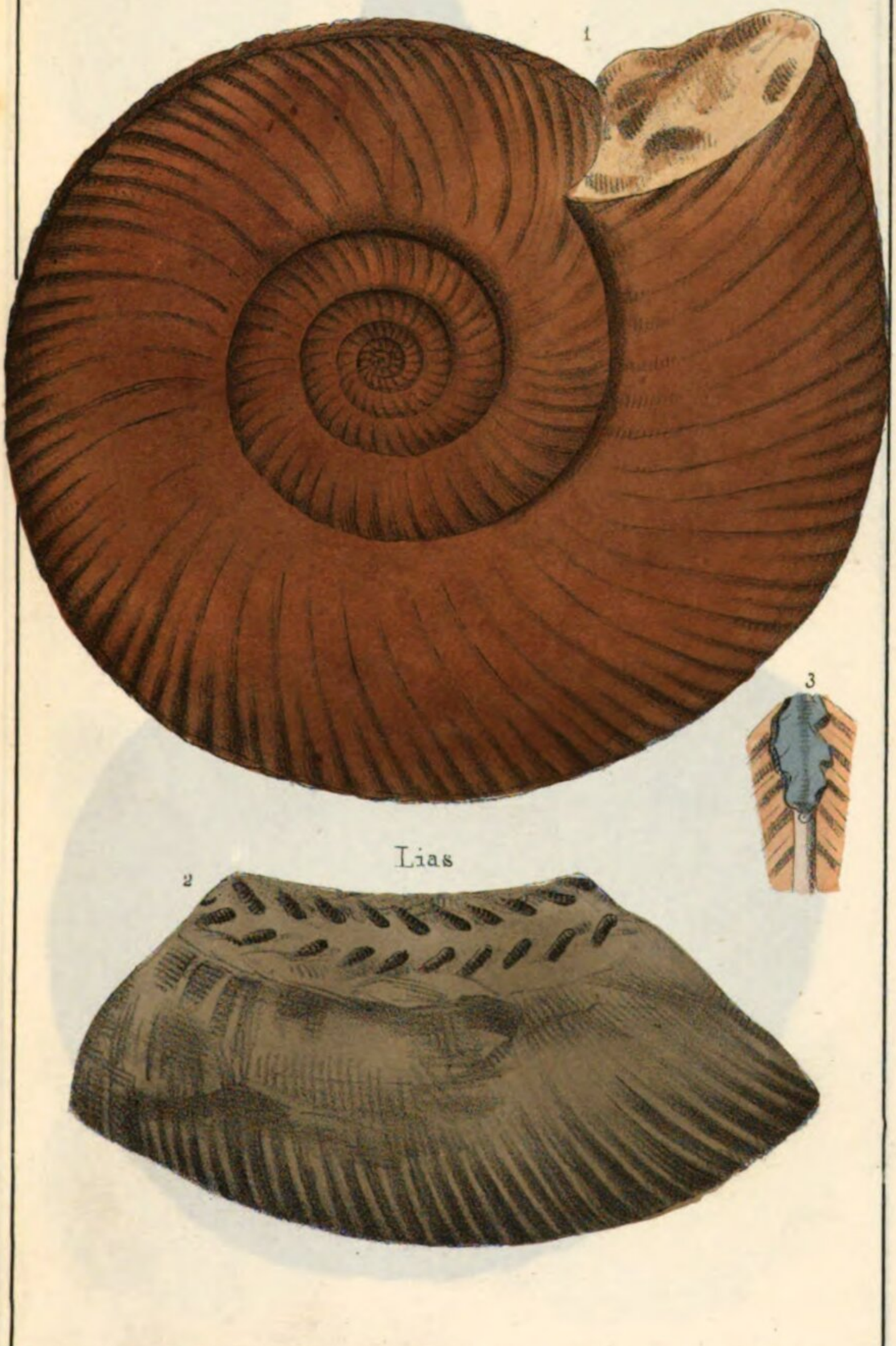
Tab. 301 Conus dormitor Brand.
Tab. 302. Fig. 1. 2 Conus . . . Fig. 3 4. 5. 6. Conus concinnus Sow.
Tab 303. Conus scabriculus Brand
Tab. 304 Murex interruptus Pilkington.

305.

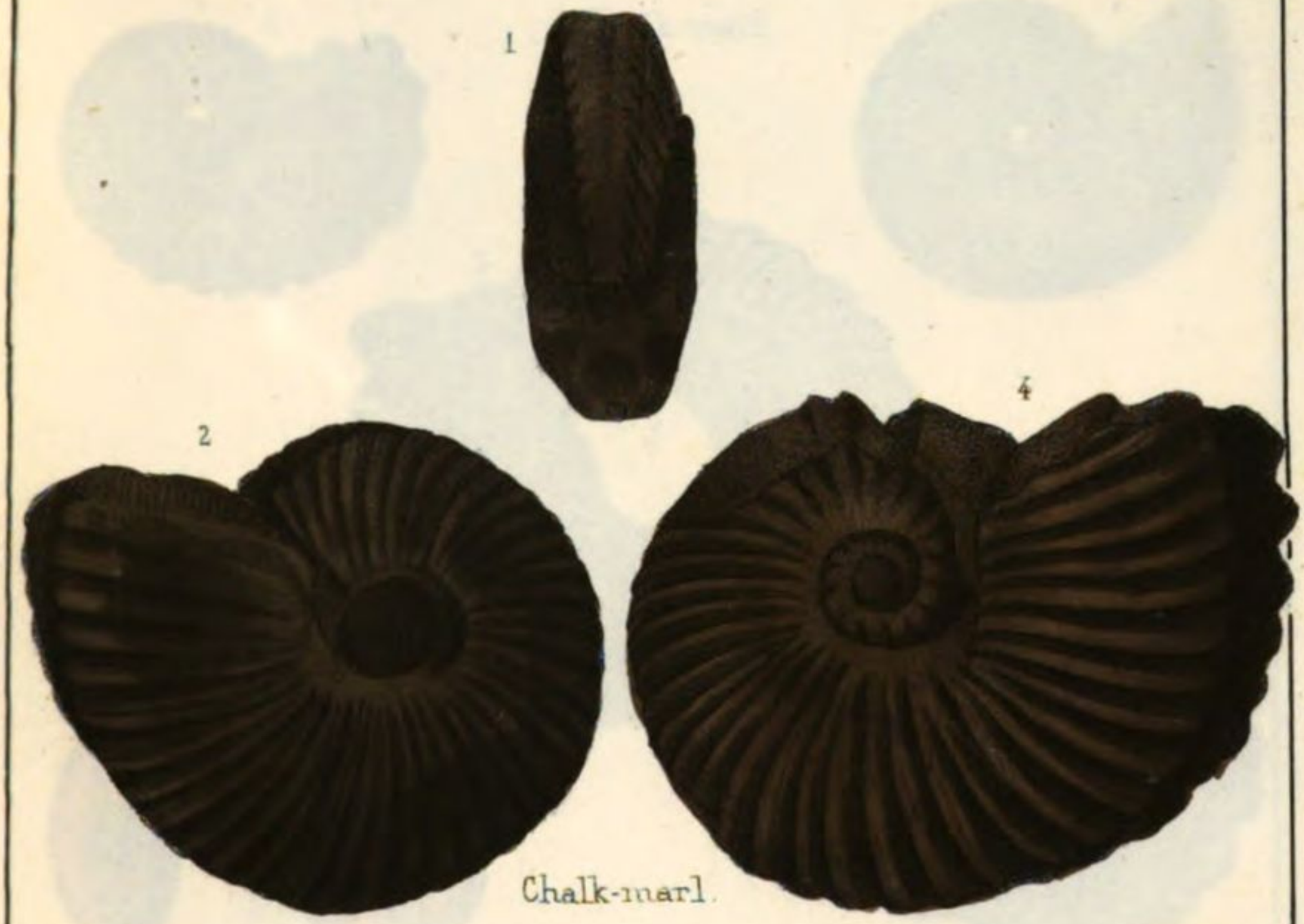


306

Tab 305. Inoceramus concentricus. Park. Tab. 306. Inoc. sulcatus. Park.



Ammonites Parkinsoni Sow:



Chalk-marl.

Ammonites dentatus Sow.

Chalk-marl.

Chalk-marl

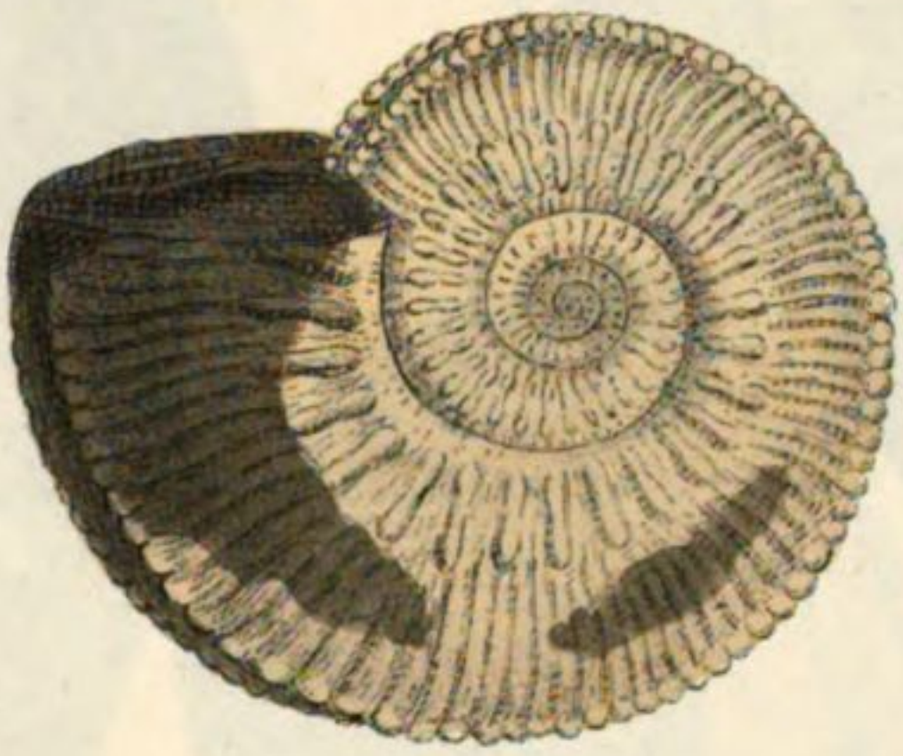
310.

Tab. 309. Ammonites lautus. Sow.

Tab. 310. Fig. 1.2.3. Ammonites. tuberculatus Sow. Fig. 4.5 Am. proboscideus. Sow.

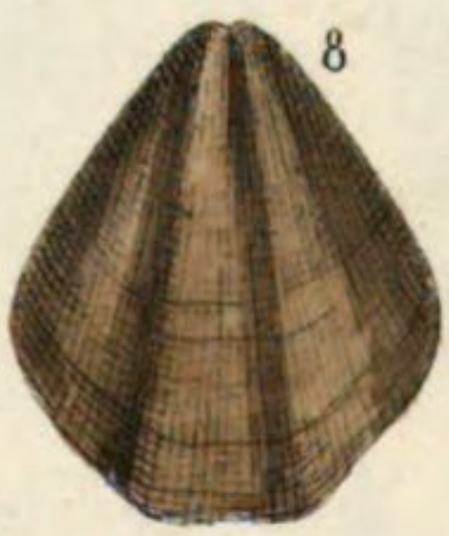
311.

Kelloway-rock.

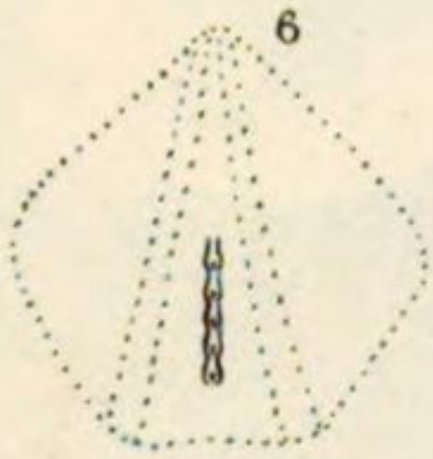


312

Bradford-Clay.



Fullers-earth.



Tab. 311. Ammonites Guilelmii. Sow.

Tab. 312 Fig. 1-6. Terebratula coaretata. Sow. - Fig. 7. 8. Terebr. reticulata. Sow.

Greensand.

London-Clay

1

4

3

2

London-Clay

Fig. 1 2 Pinna tetragona Brocchi - Fig. 3 Pinna affinis Sow. - Fig. 4. Pinn arcuata Sow.

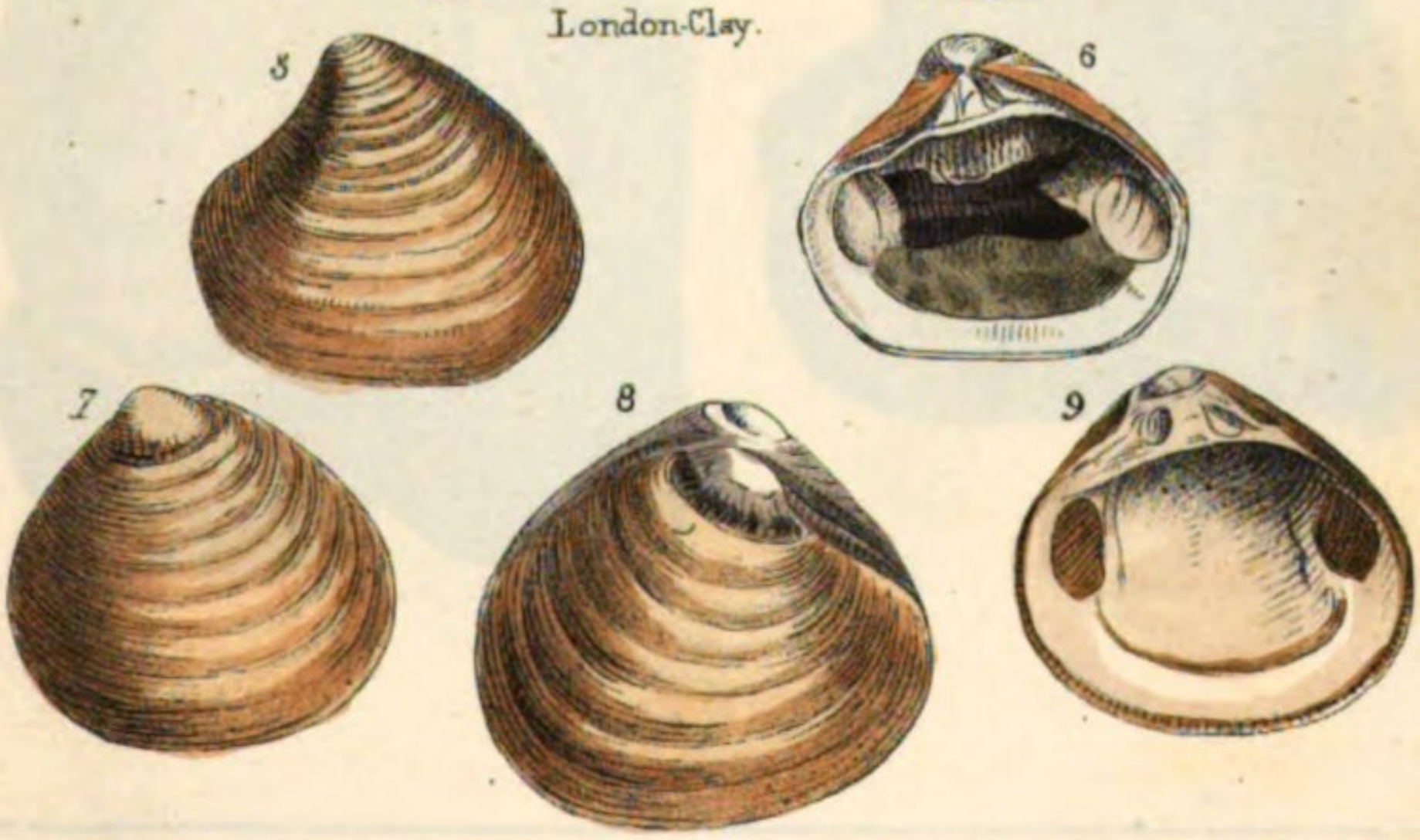
314.

315.

London-Clay.

316.

London-Clay.

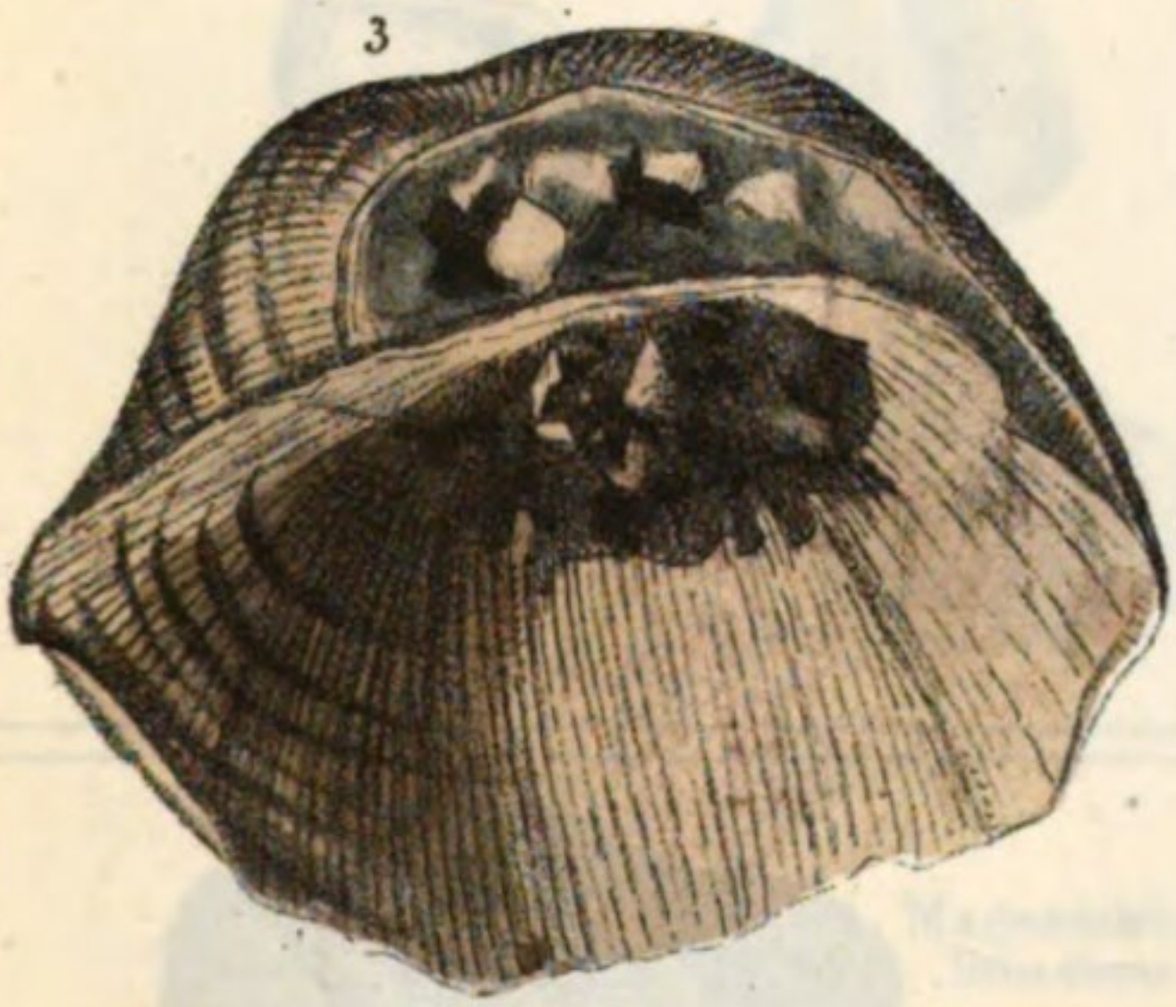


Tab. 314. Axinus obscurus Sow.
Tab. 315 Axinus angulatus Sow.
Tab. 316 Astarte rugata Sow.

Mountain-limestone.

1

2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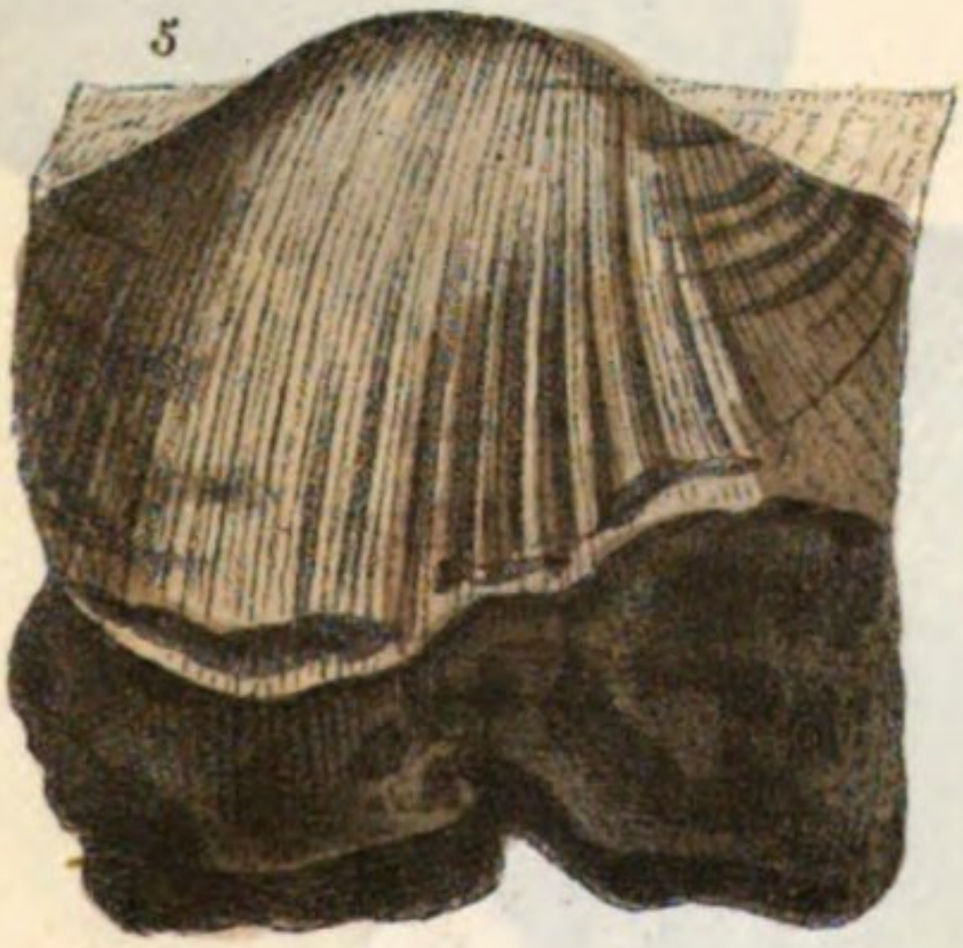
4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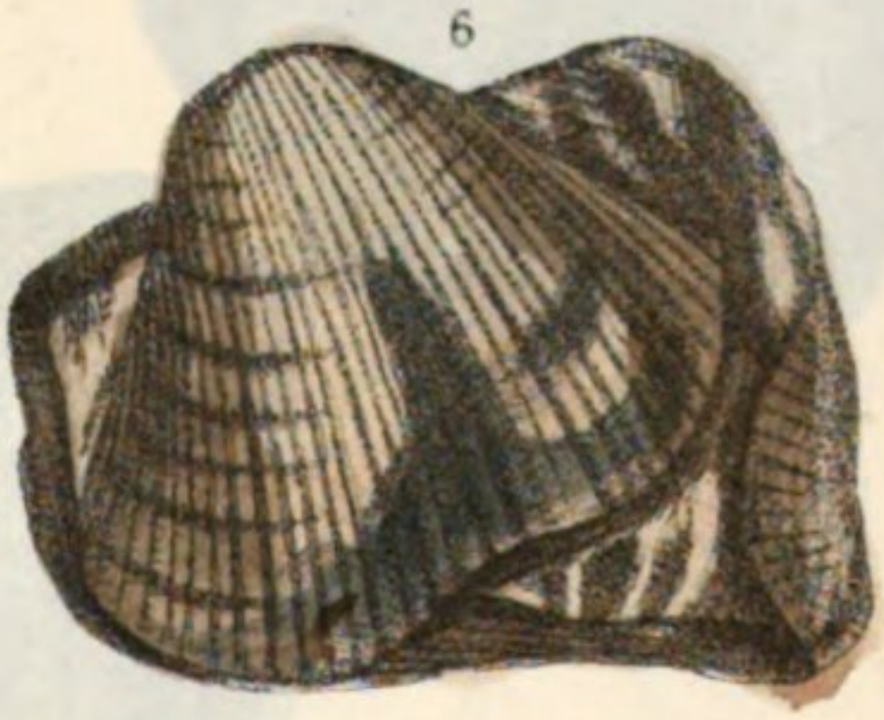
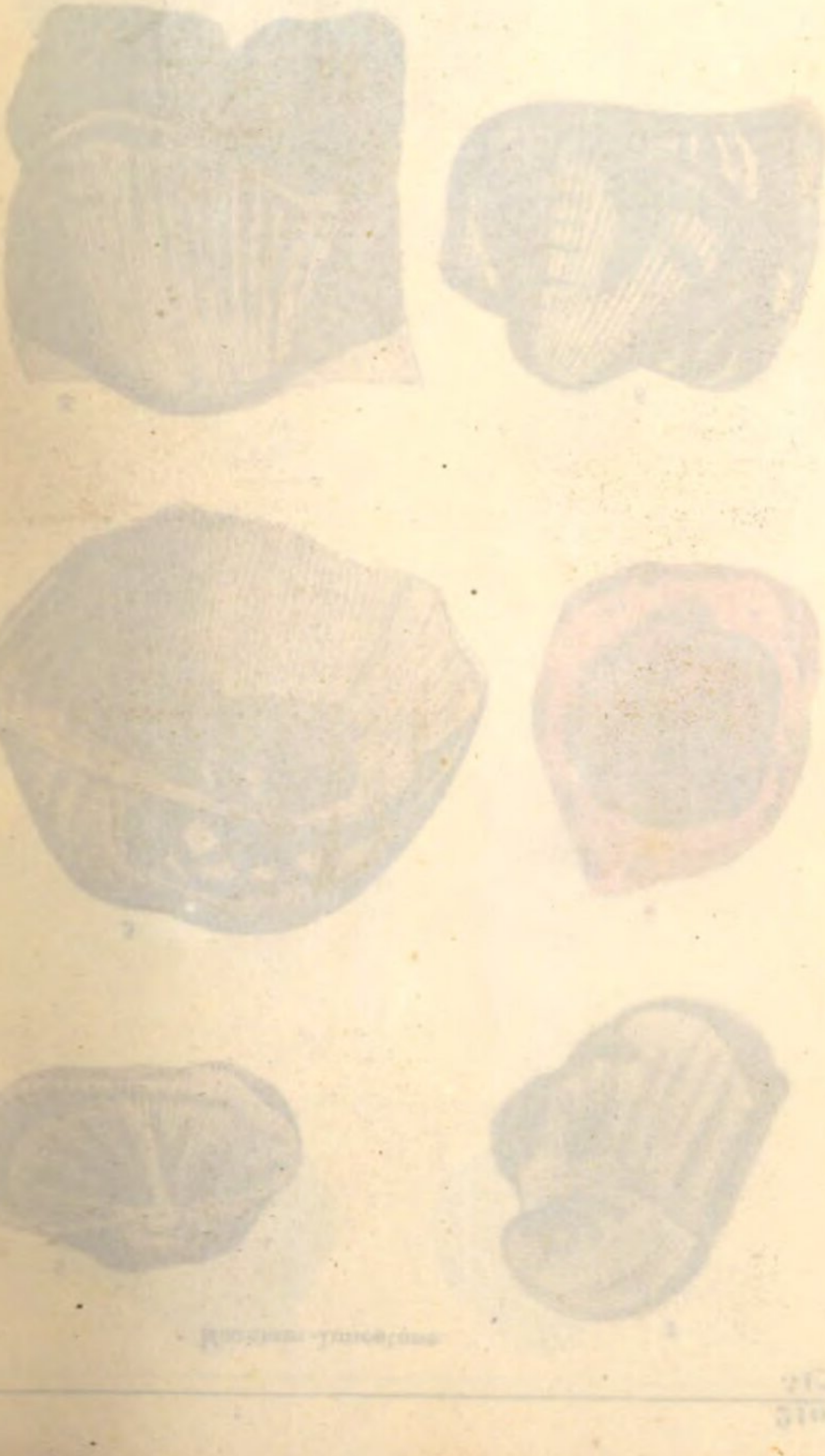
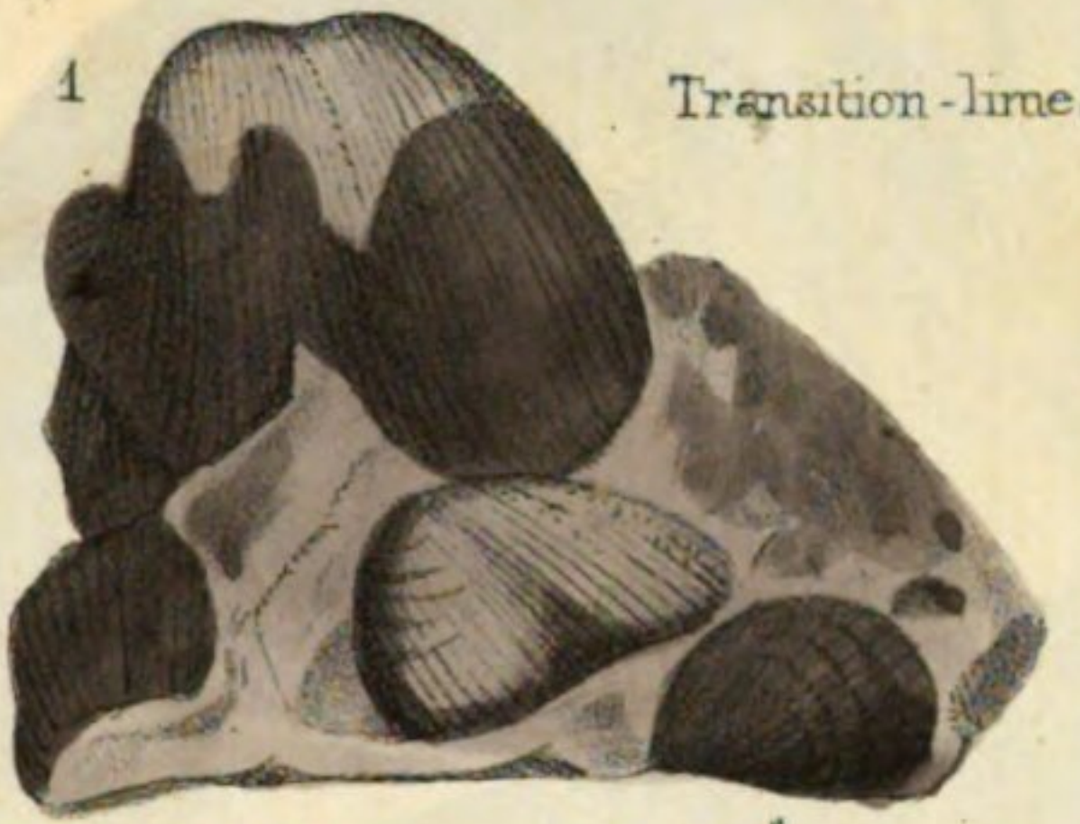

6

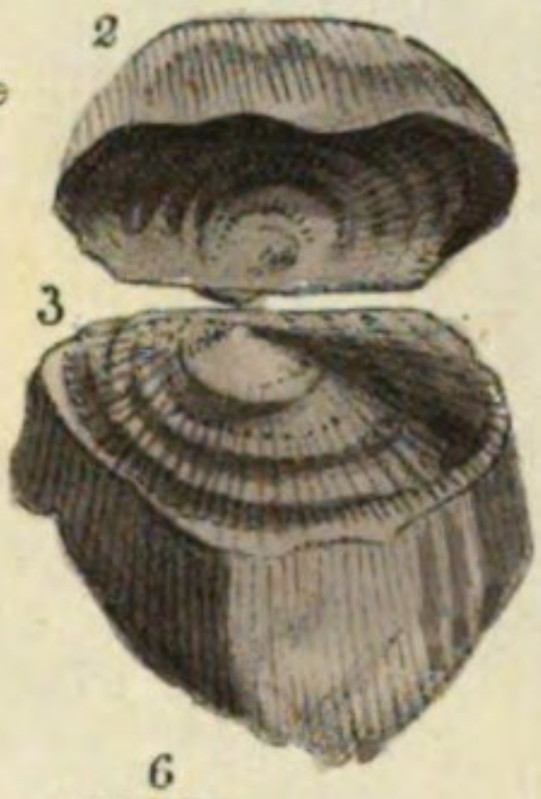
Fig.1.5.6 Productus antiquatus Sow.-Fig.2.3.4 Prod. Martini Sow.



318.

Transition-limestone





319.

Magnesian limestone.

Tab. 318. Fig. 1 2 3 Productus concinnus. Sow. - Fig. 4-9 Prod. lobatus Sow.
Tab. 319. Fig. 1. 2. Productus horridus. Sow. - Fig. 3 Prod. sulcatus Sow.

212.

320.

Productus giganteus Sow.

259
313

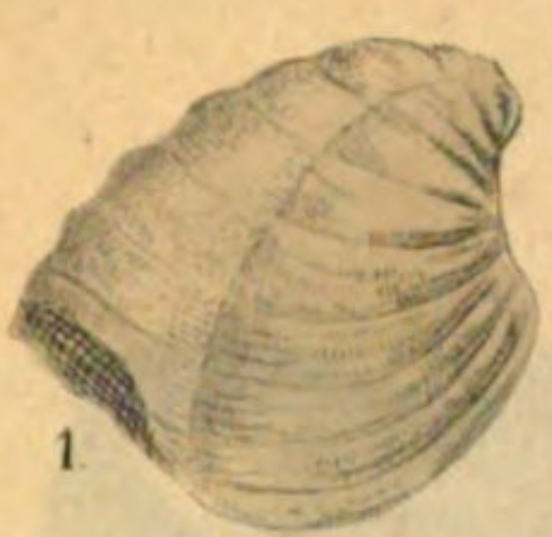
Mountain-limestone.

Productus personatus Sow.

322.

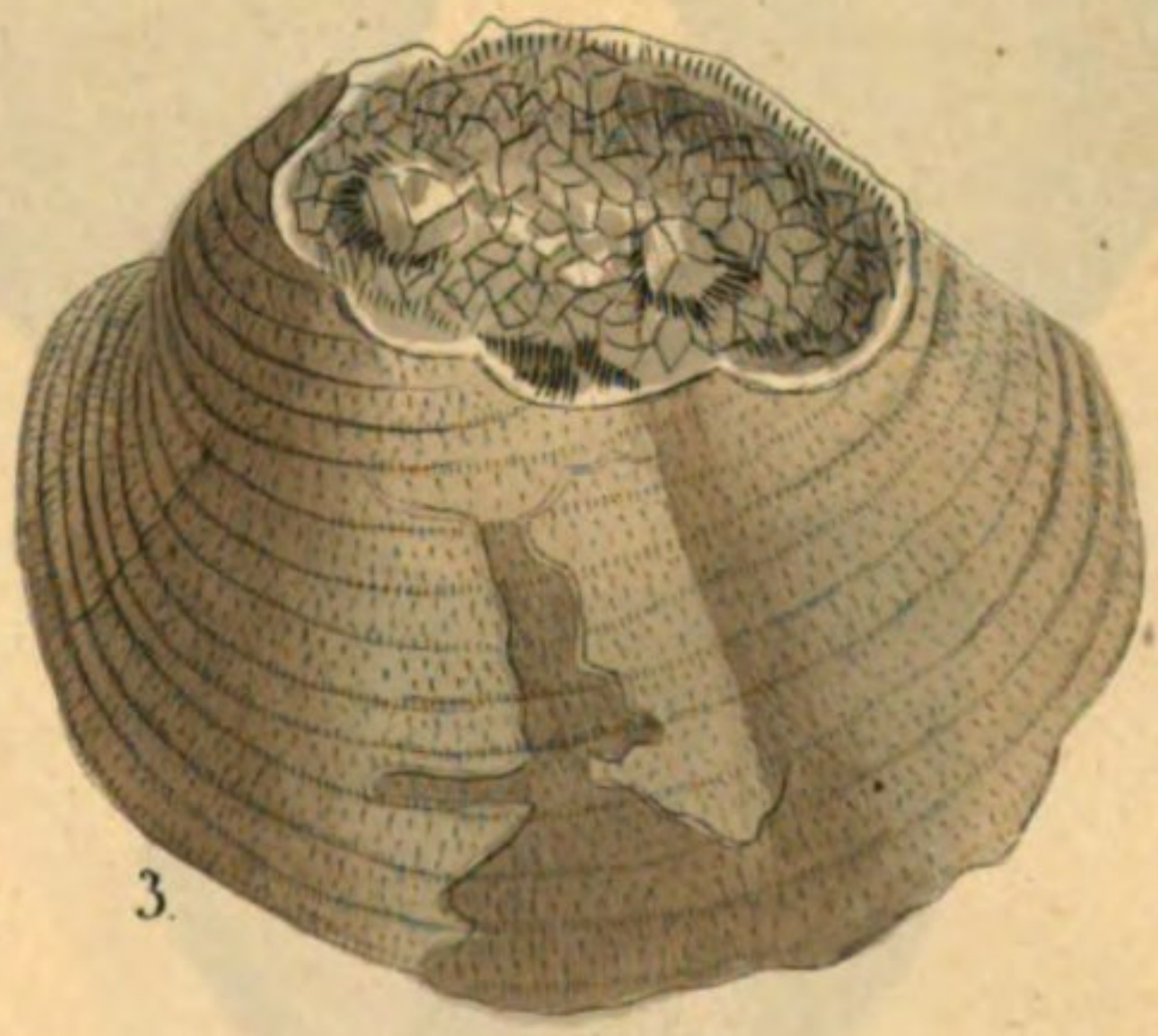
Magnesian-limestone.

Productus humerosus. Sow.


1.

2

Mountain Limestone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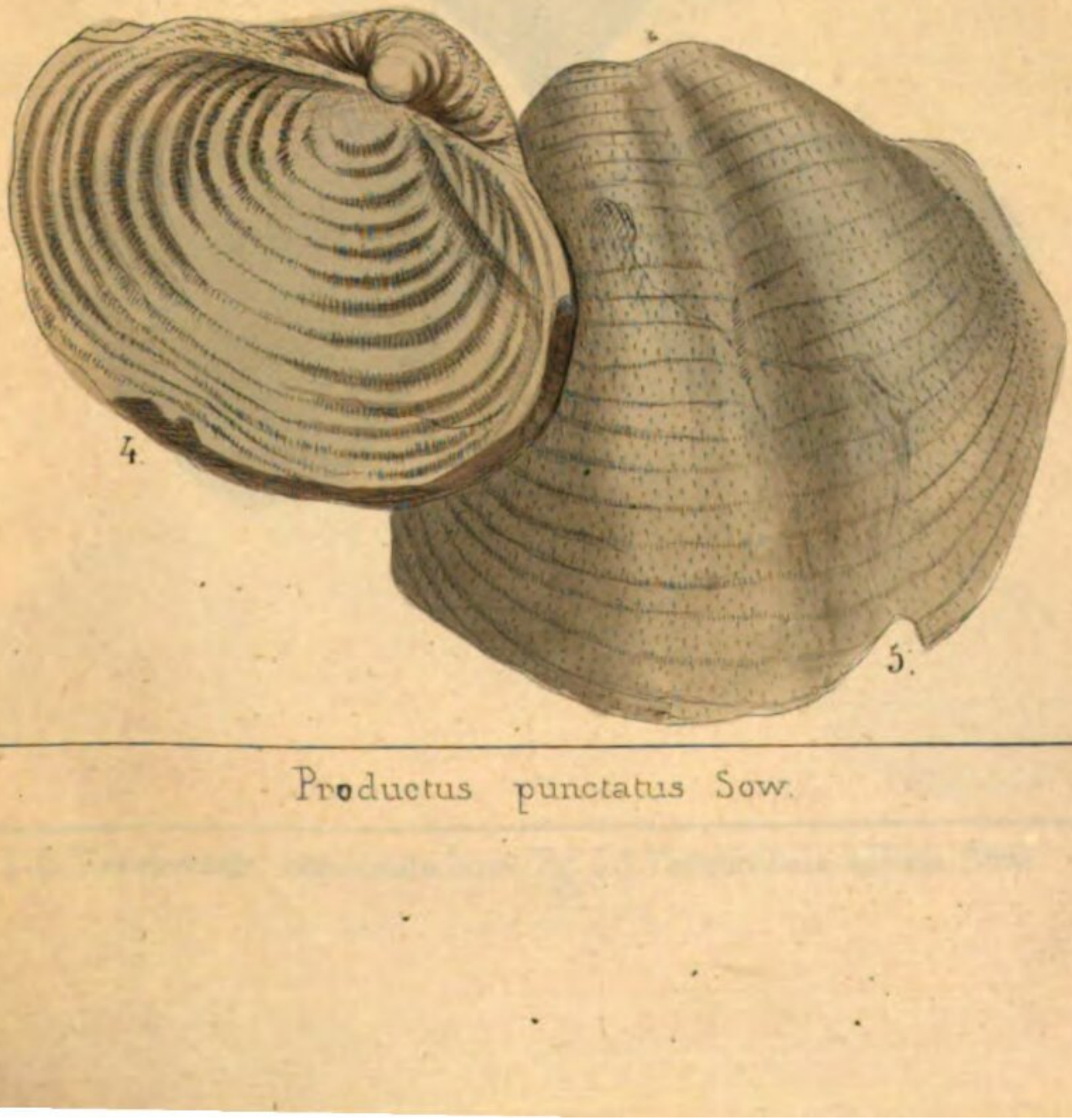
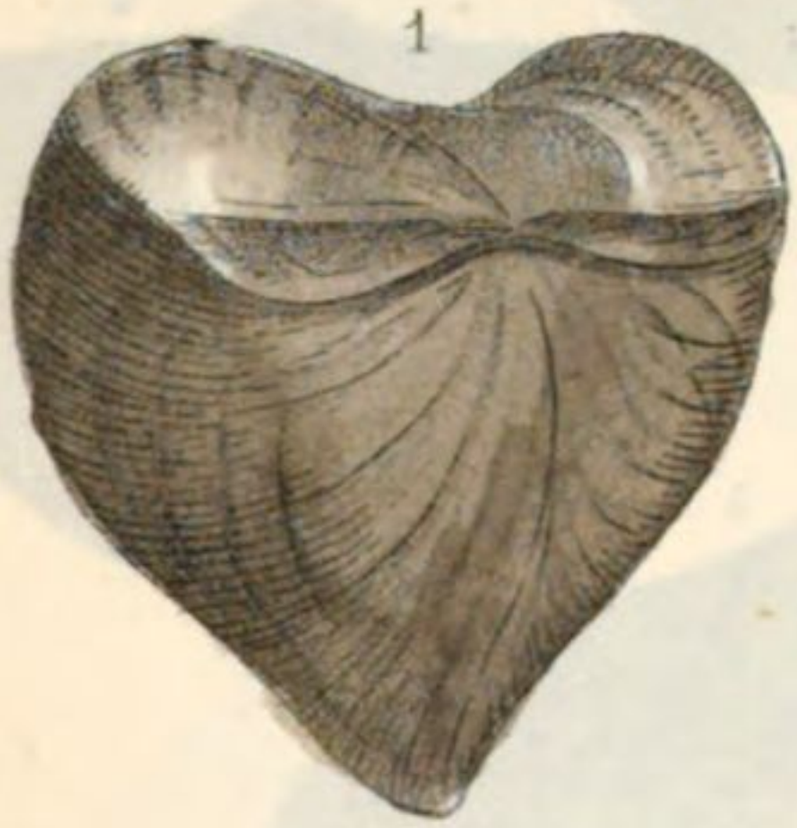

4.

5.

Productus punctatus Sow.

Mountain-limestone.

1



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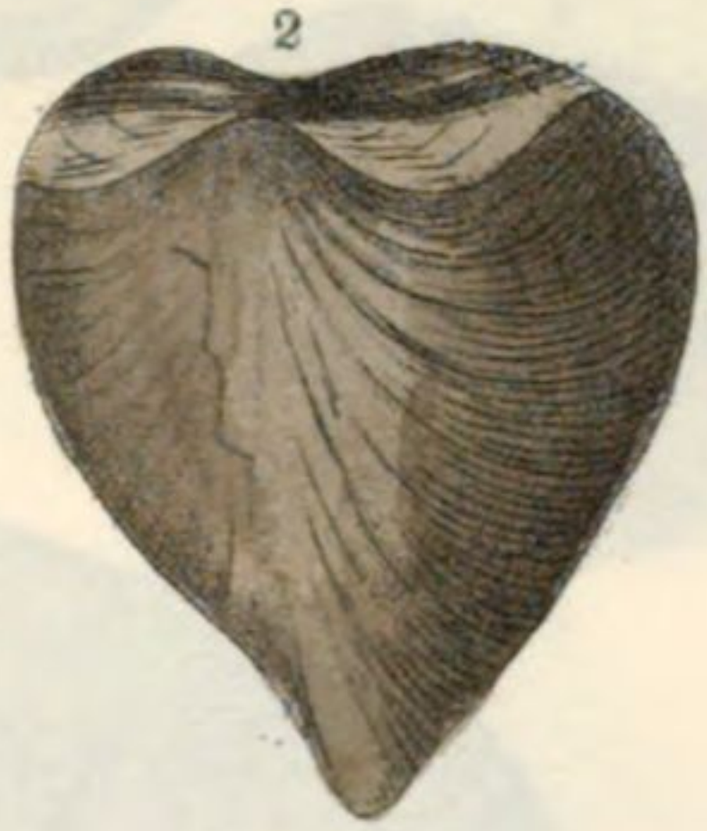

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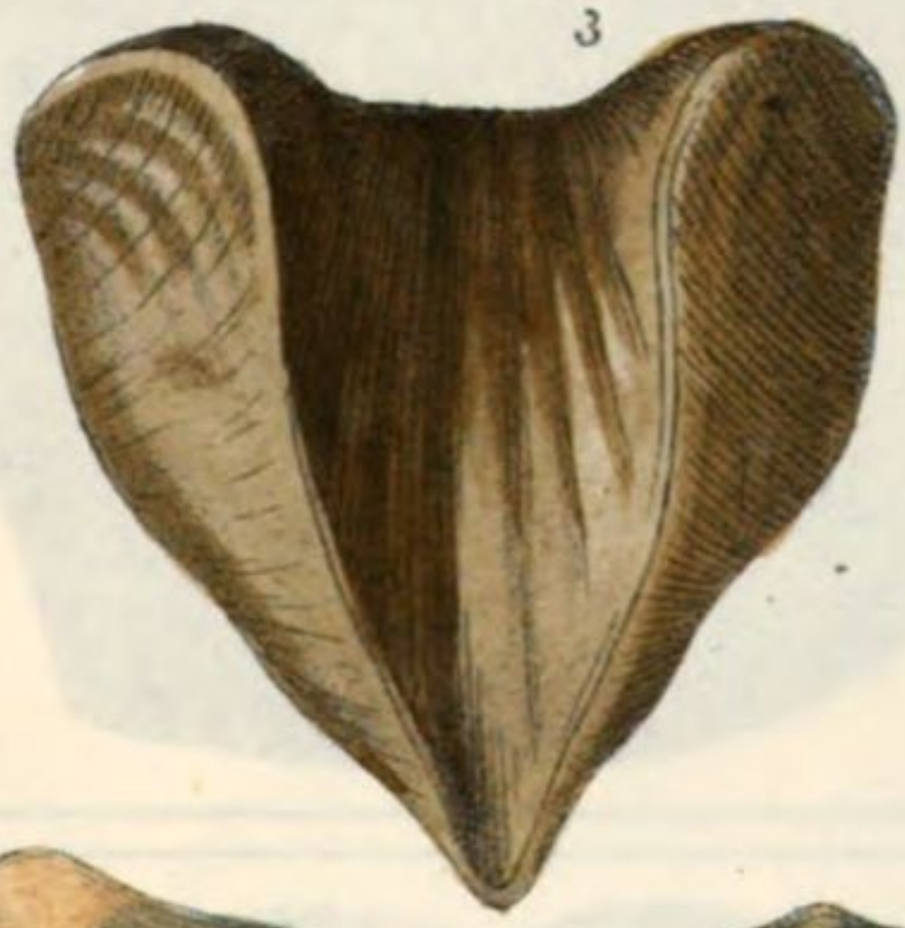

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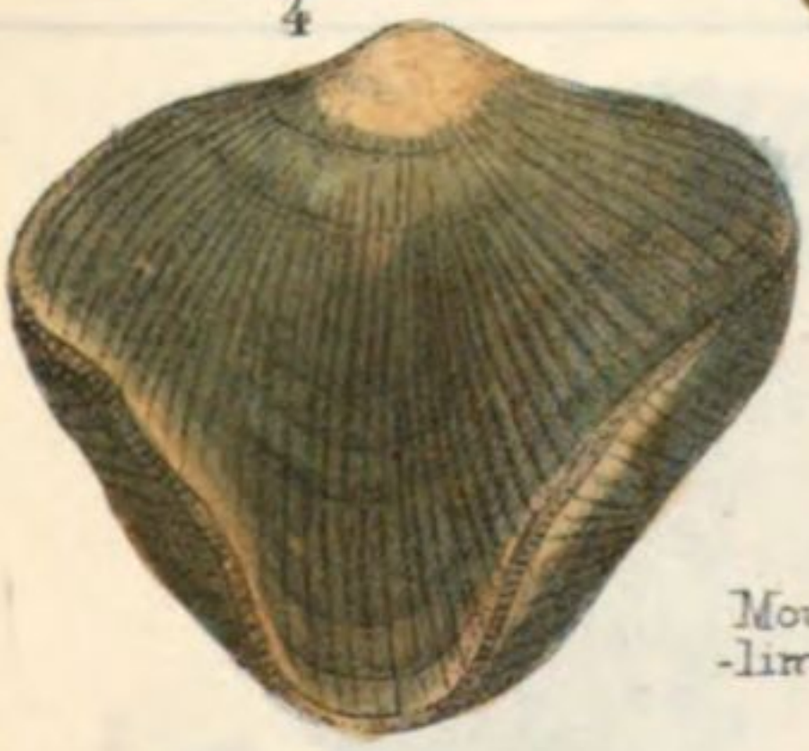


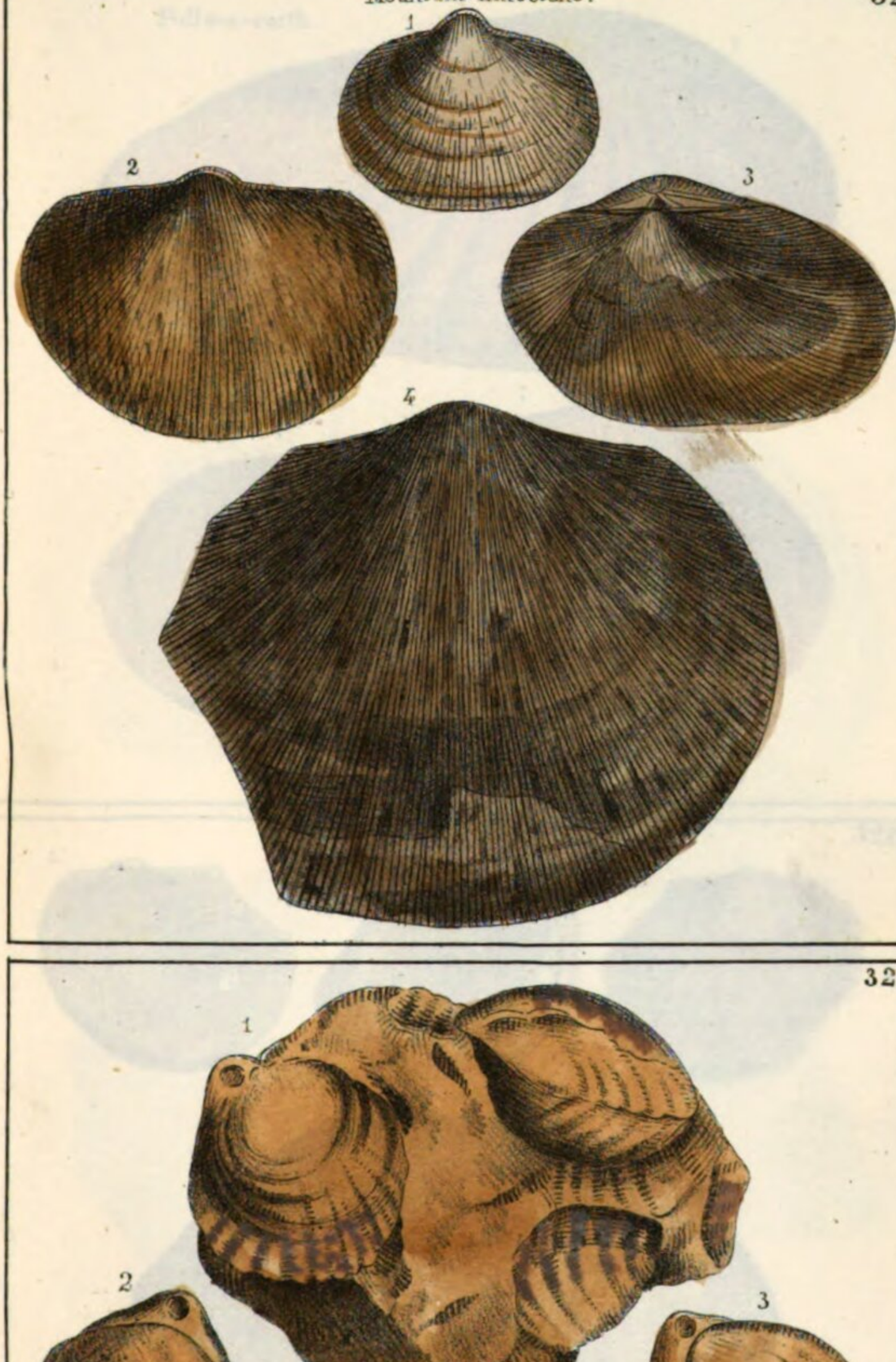
5

Mountain-
-limestone

Fig.1-3. Terebratula acuminata Sow. Fig.4.5. Terebratula affinis. Sow.

Mountain-limestone.

325



326

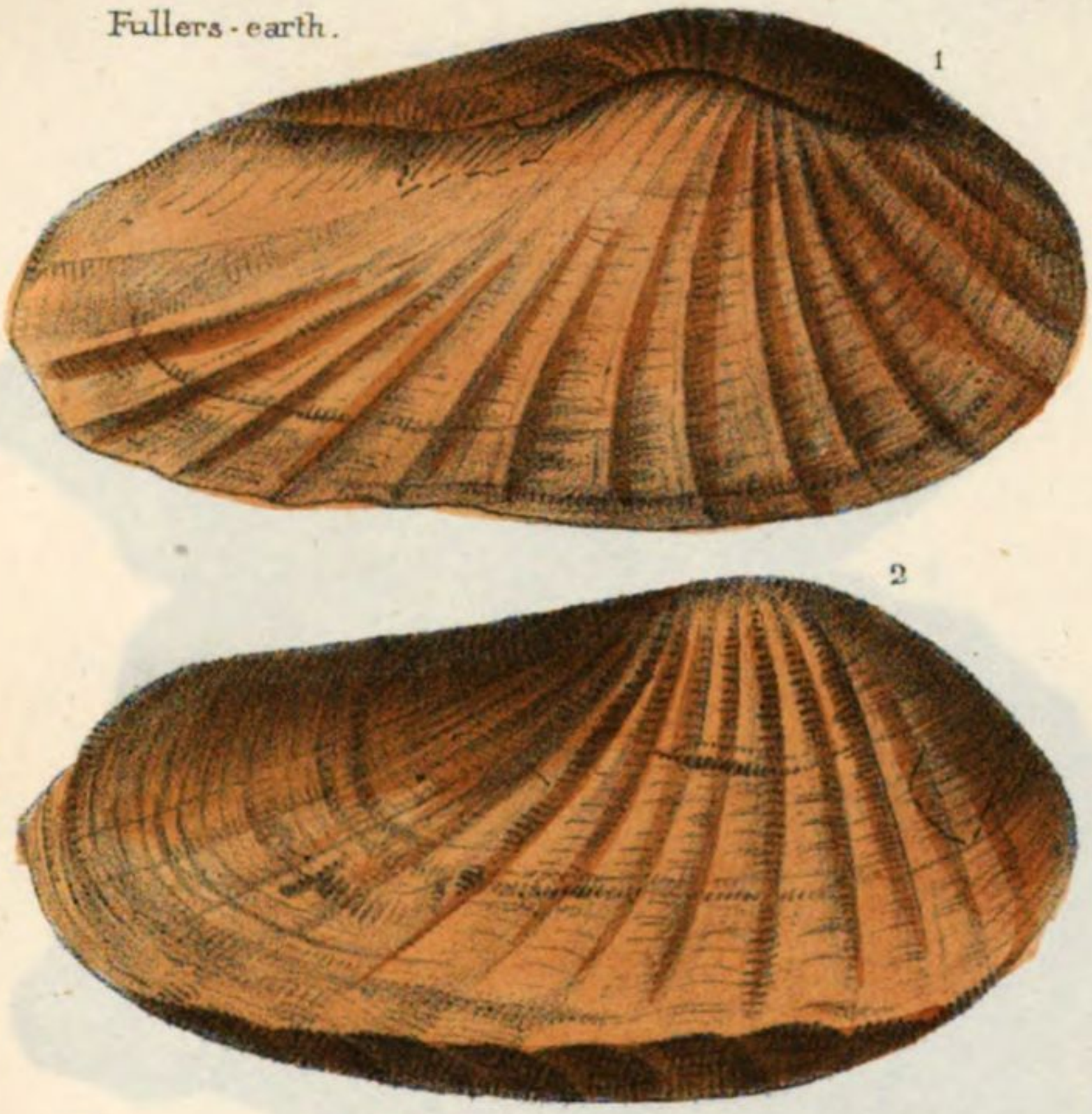
Inferior - Oolite.

Tab. 325. Terebratula resupinata. Sow.
Tab. 326. Terebratula fimbria Sow.

327.

Fullers-earth.

1



2

328.

1

2

3

Mountain-limestone.

4

Tab. 327. Pholadomya angustata. Sow.
Tab. 328. Productus hemisphaericus Sow.

Mountain-limestone

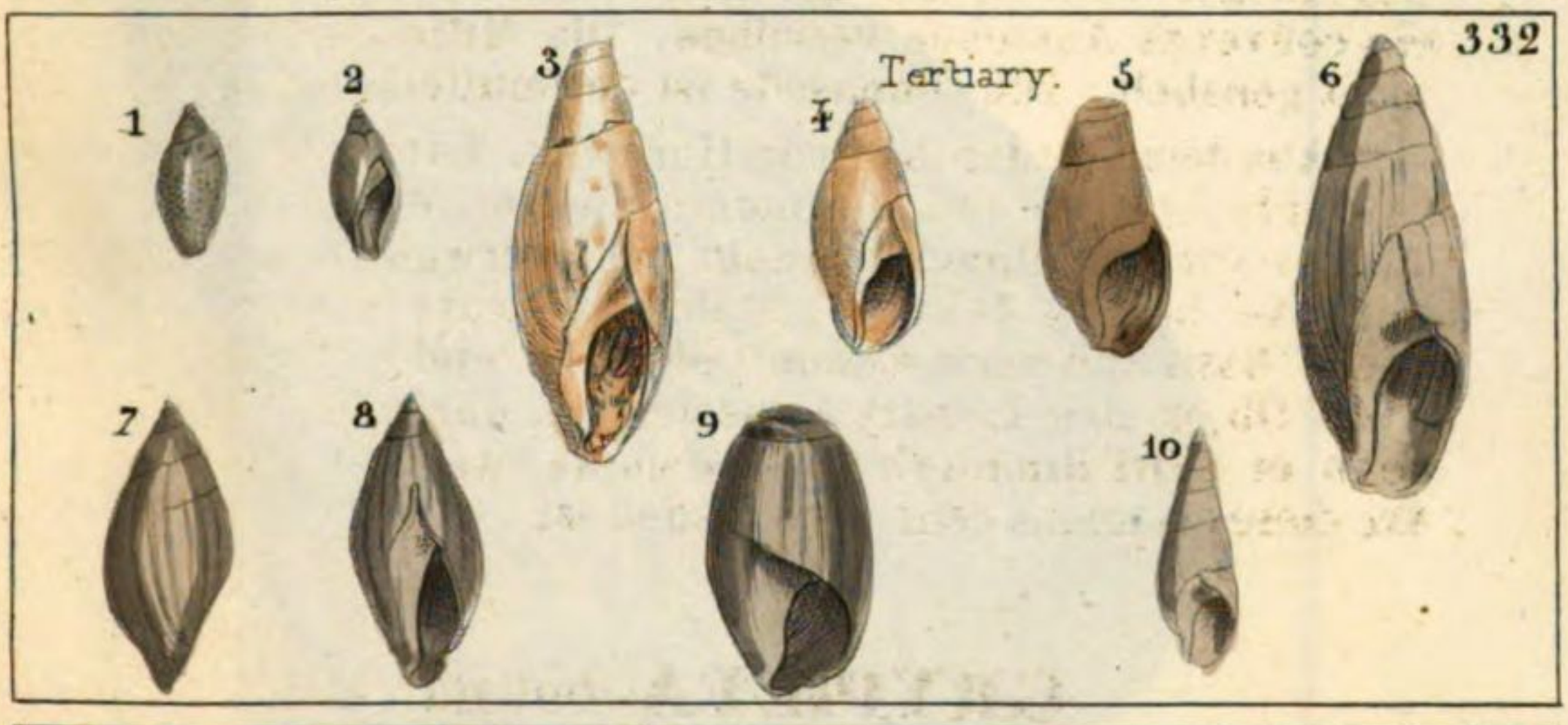
Productus comoïdes. Sow.

Mountain limestone.

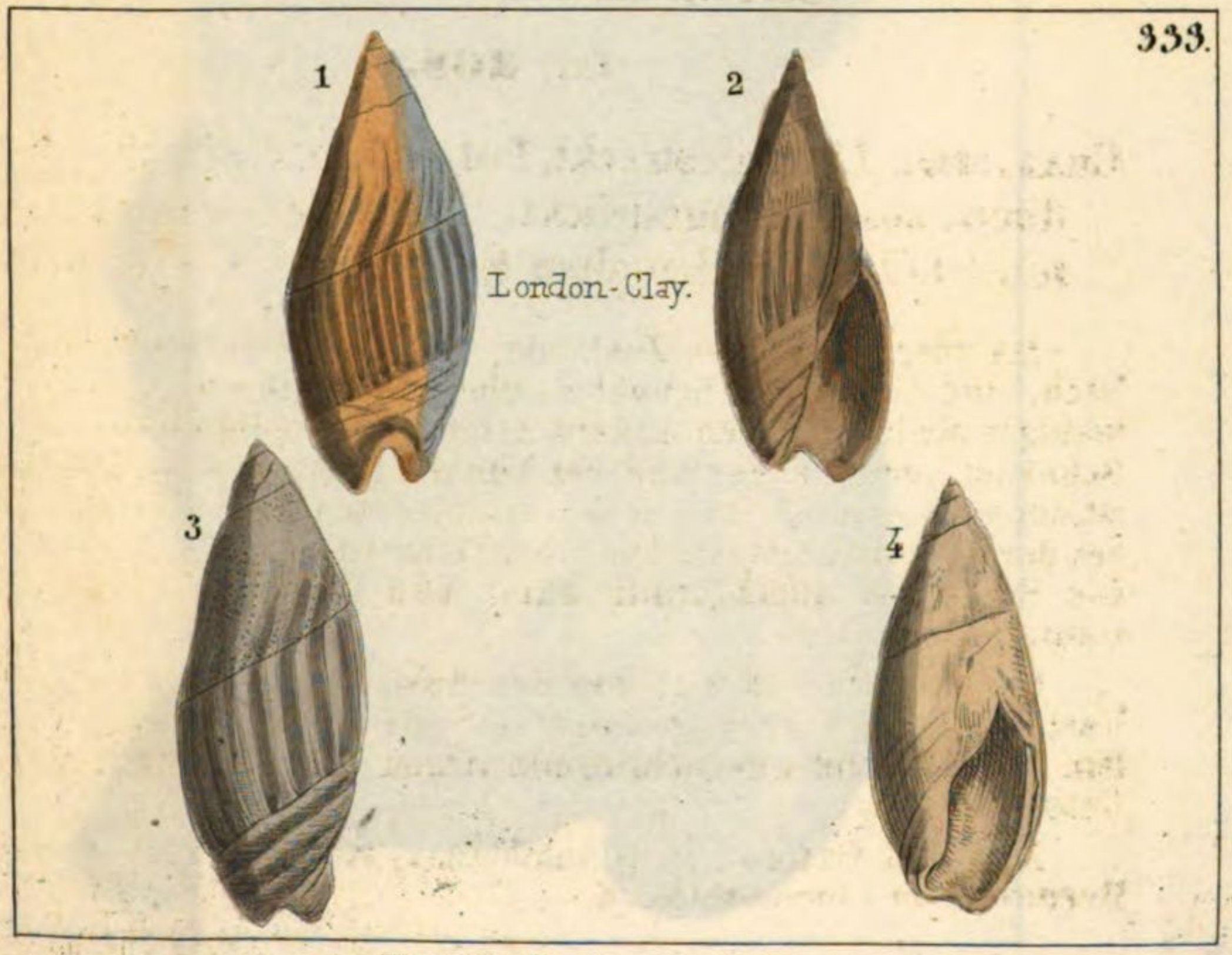
Productus latissimus Sow.

331

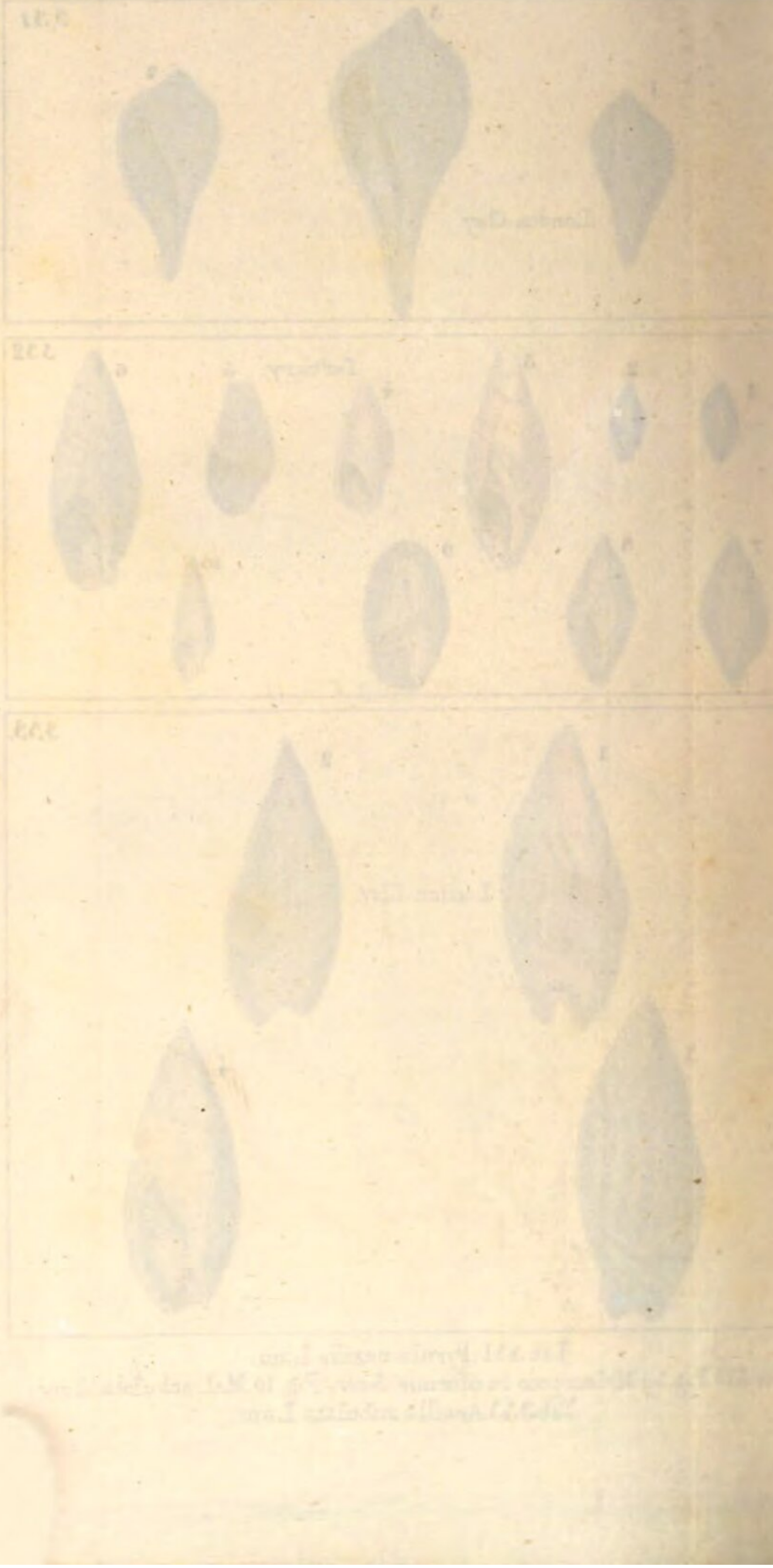
332



333.



Tab. 331. Pyrula nexilis Lam.
Tab. 332. Fig. 1-9 Melanopsis fusiformis Sow. - Fig. 10 Mel. subulata. Sow.
Tab 333 Ancilla subulata Lam.



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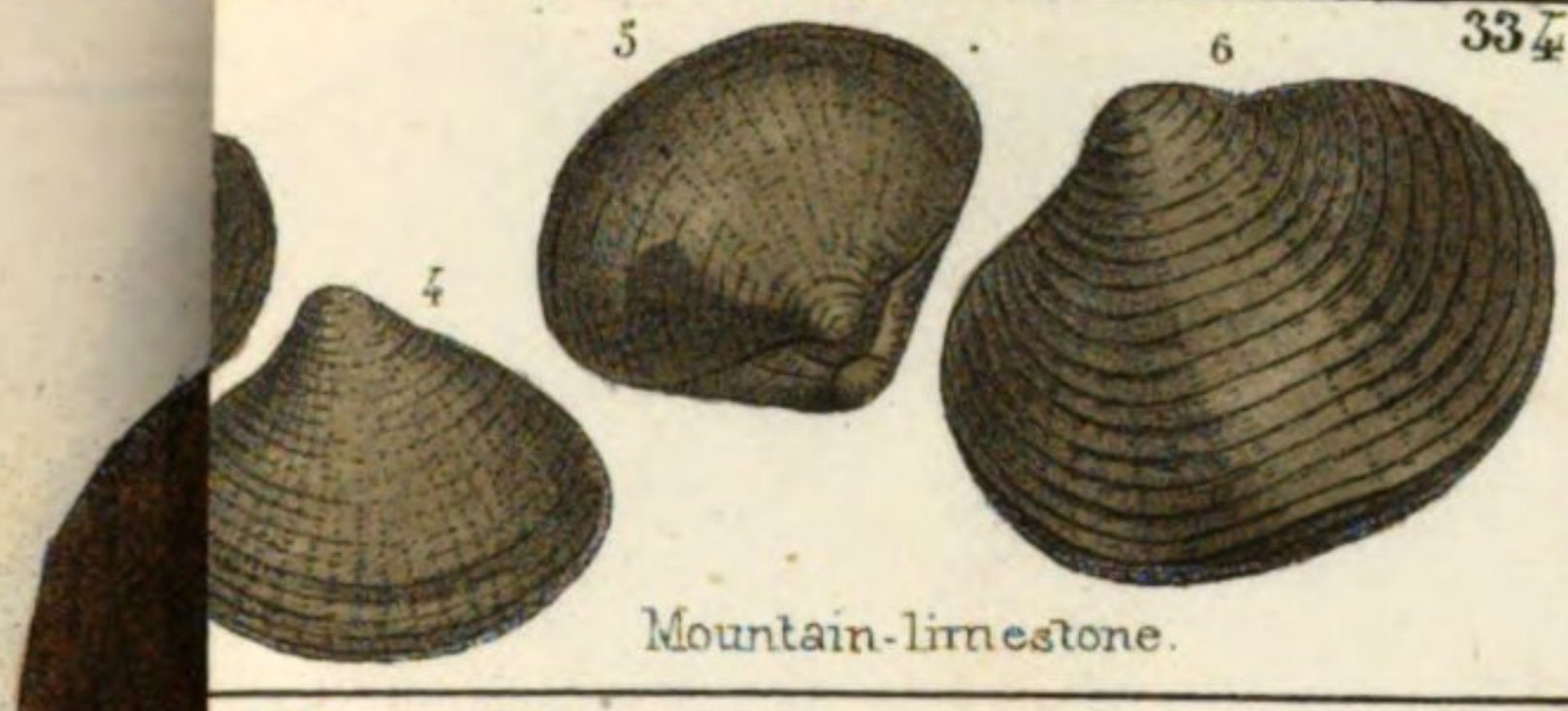


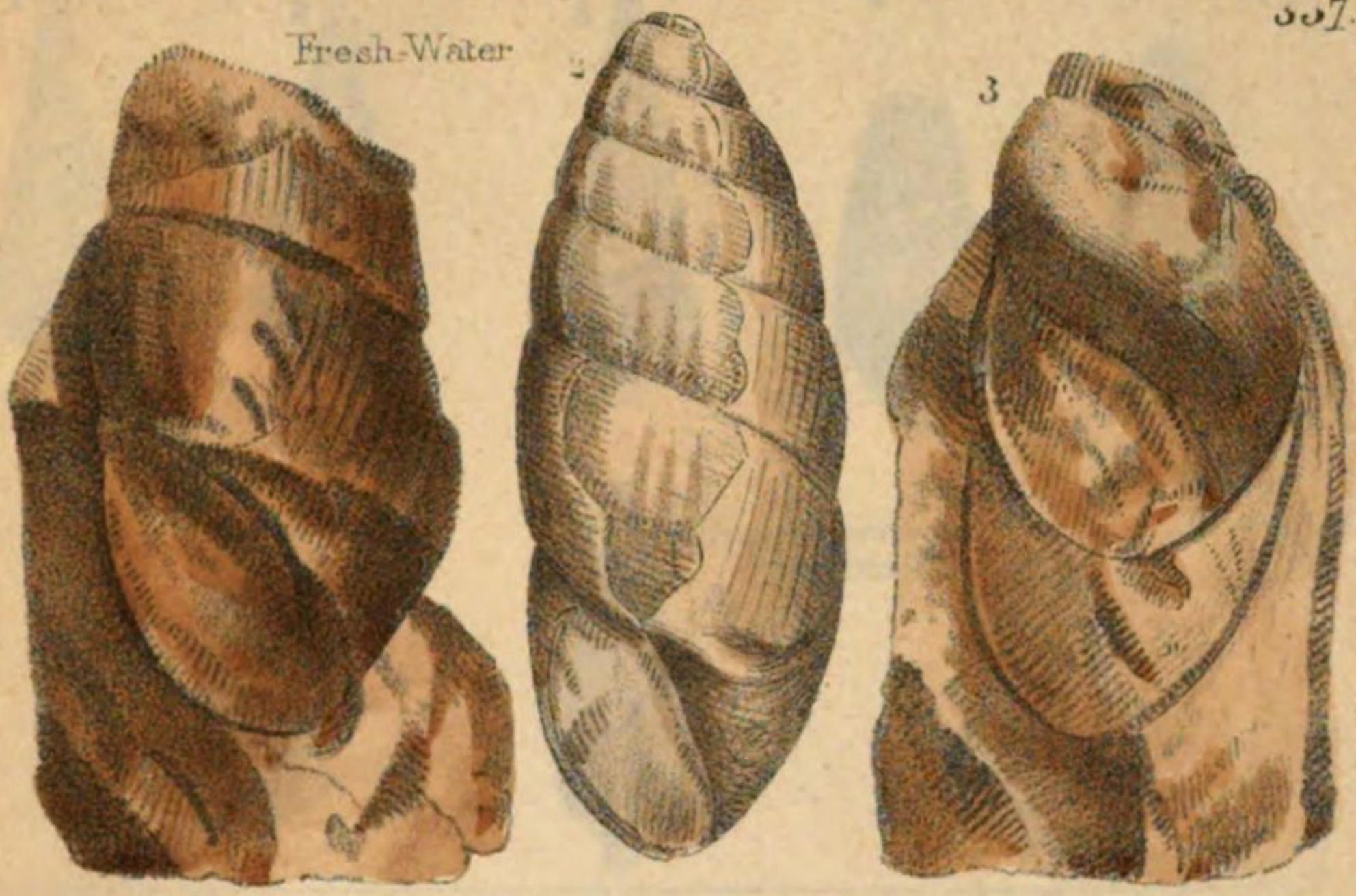
Mountain-limestone.

336.

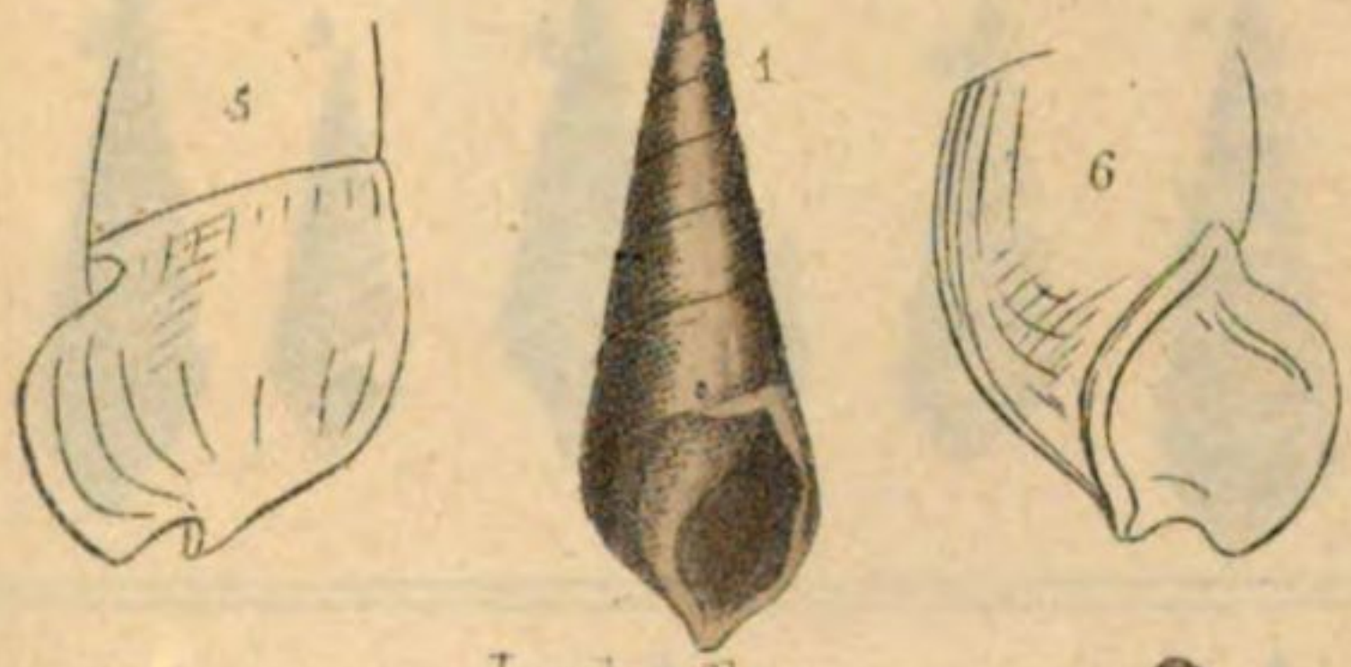
ow.- Fig. 4.5.6. Terebratula imbricata Sow
naea sinuata. Sow.

337.

Fresh-Water



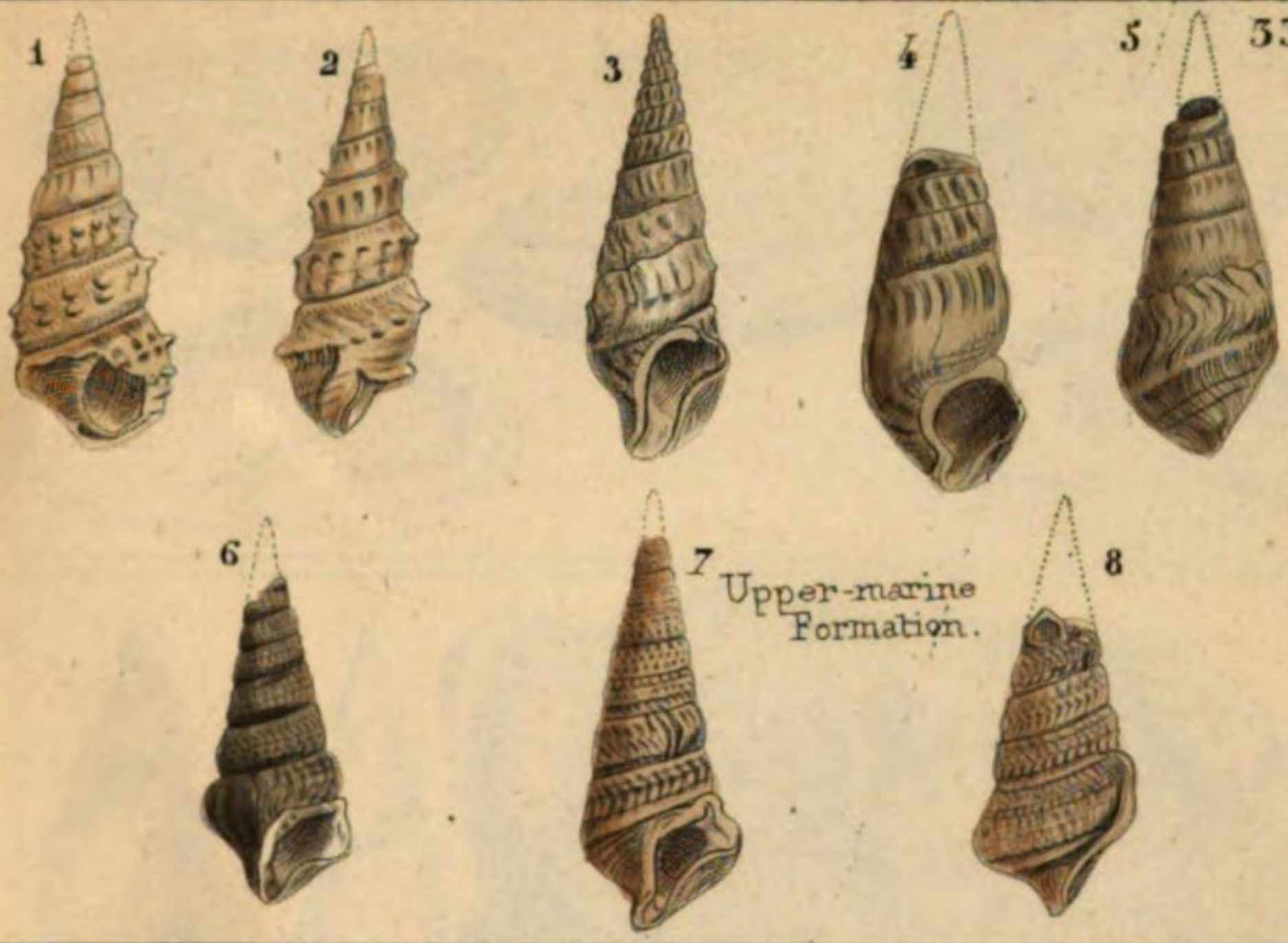
338.



London Clay.

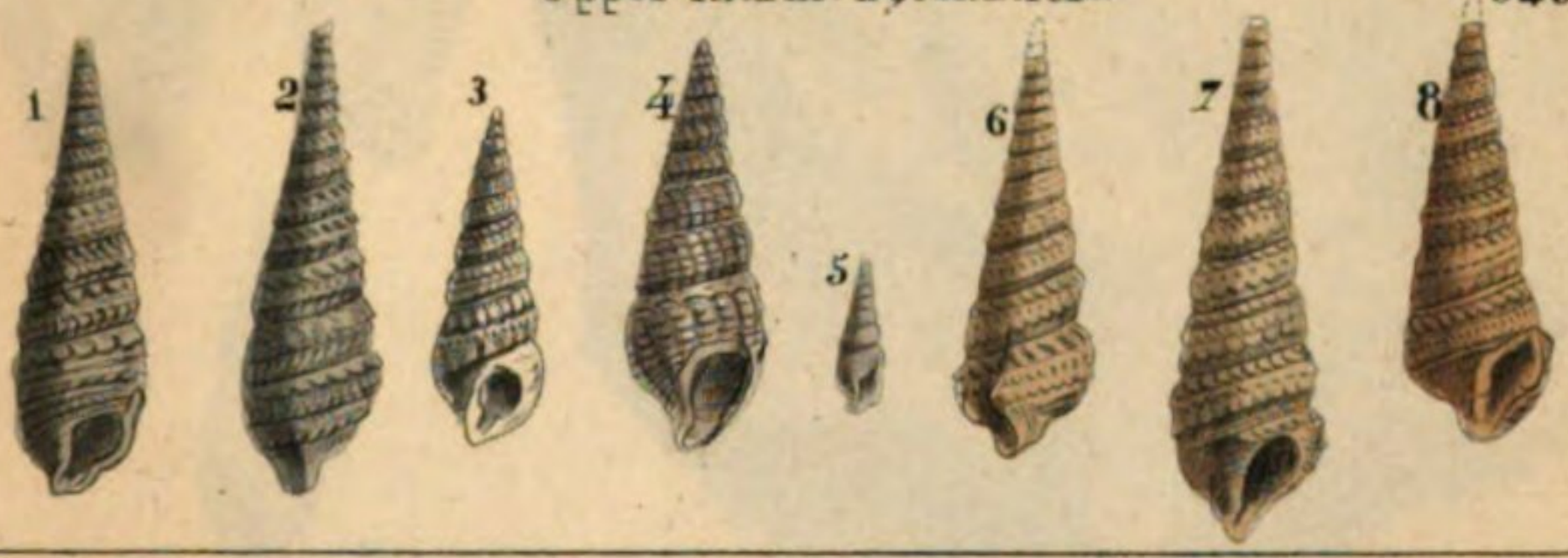
Tab.337. Bulimus ellipticus Sow.
Tab.338. Potamides rigidus Sow.

339



Upper-marine Formation.

340



341.

Upper-marine Formation.

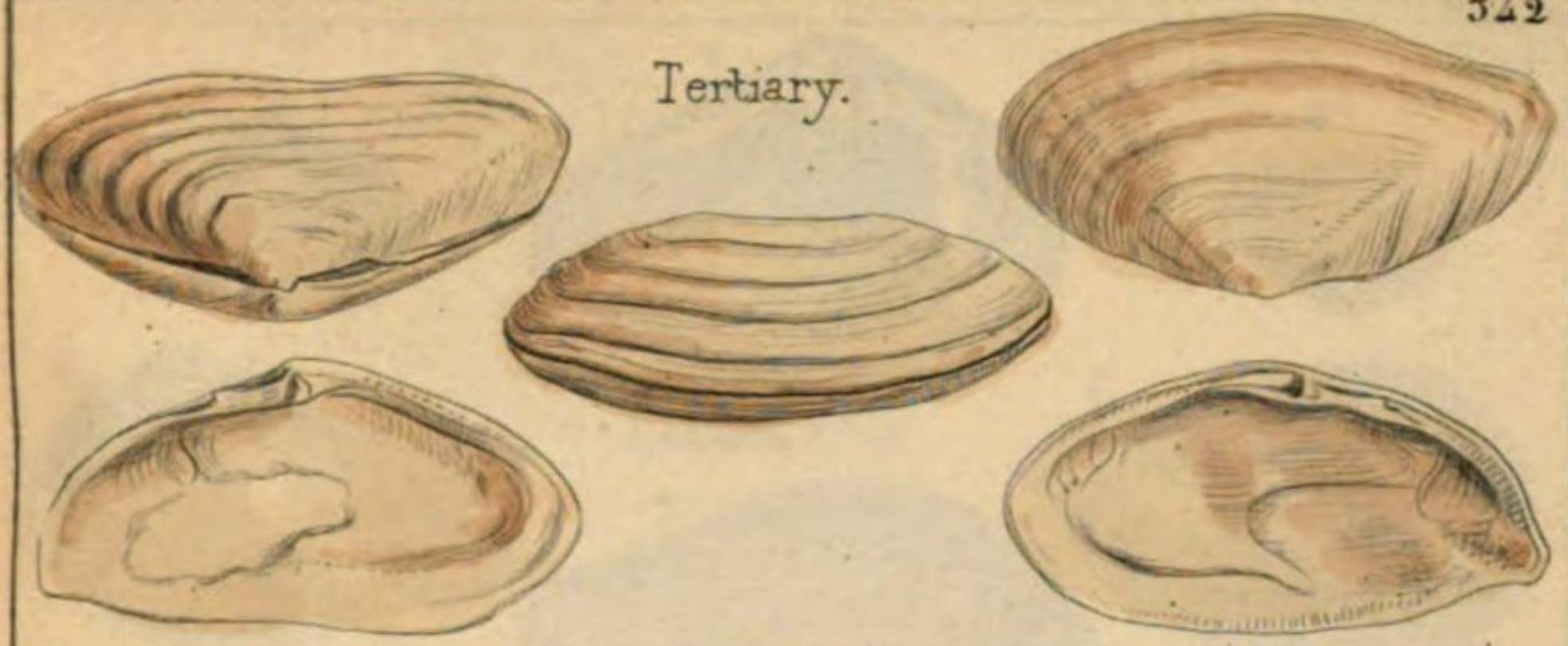
Tab. 339 Fig. 1 2 Potamides melanioides Sow. - Fig. 3 4 5. Pot. concavus Sow. - Fig. 6 7 8. Pot. margaritaceus Sow.

Tab. 340 Fig. 1 2. Pot. duplex. Sow. - Fig. 3 4 5. Pot. plicatus Sow. - Fig. 6 7 8. Pot. cinctus.

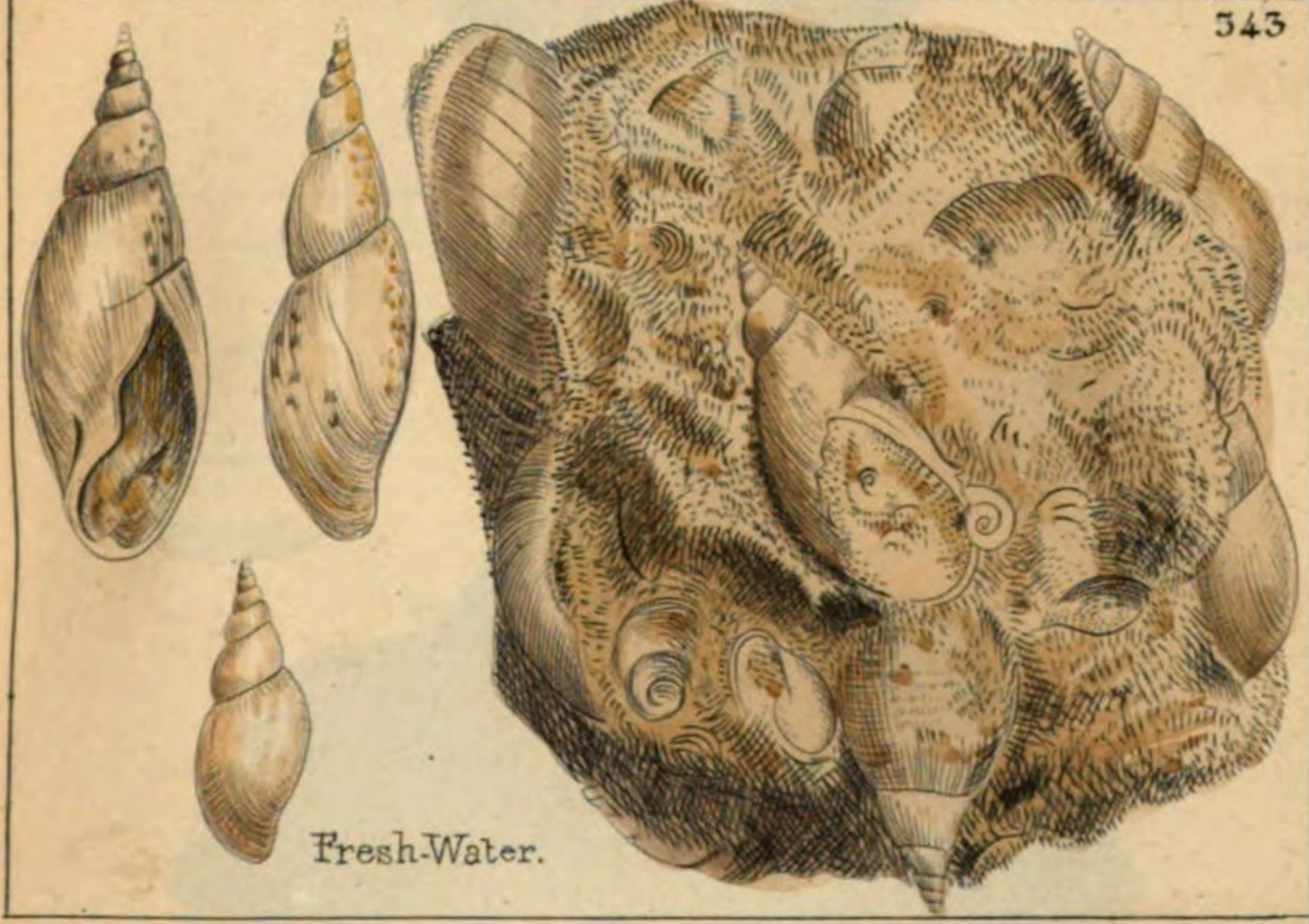
Tab. 341. Fig. 1-4 Pot. ventricosus. Sow. - Fig. 5 6. Pot. acutus Sow.

342

Tertiary.

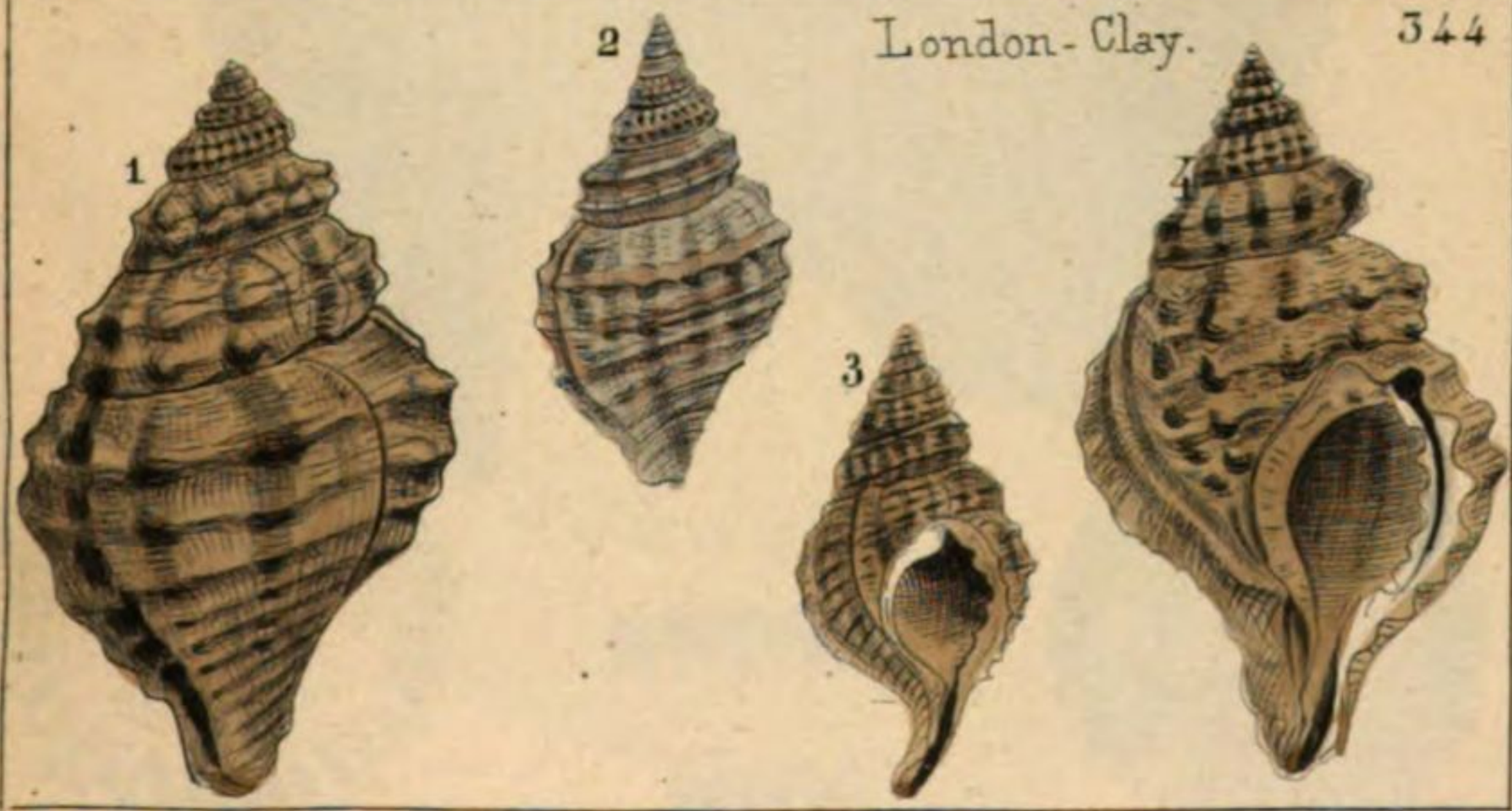


343

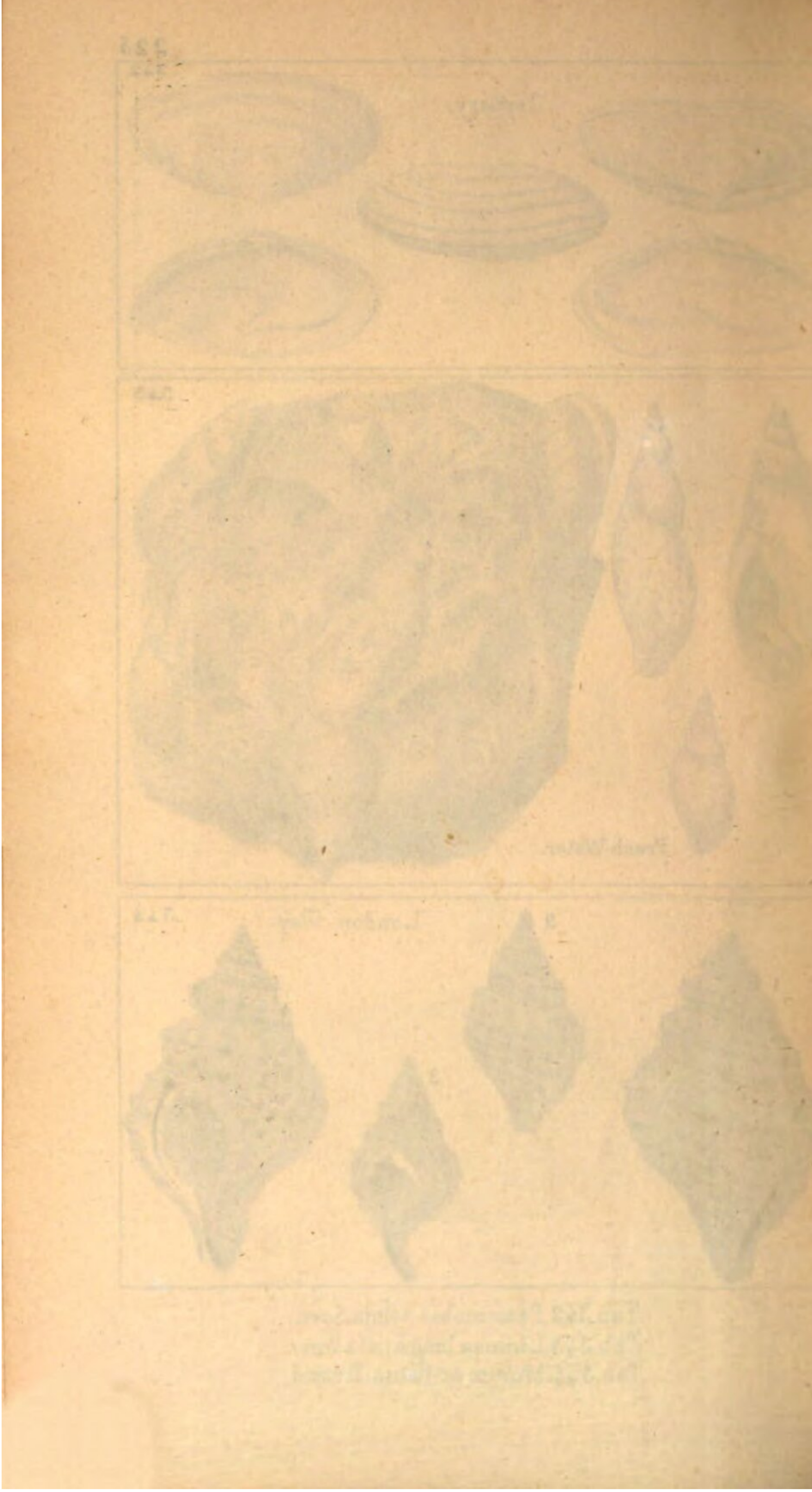


Fresh-Water.

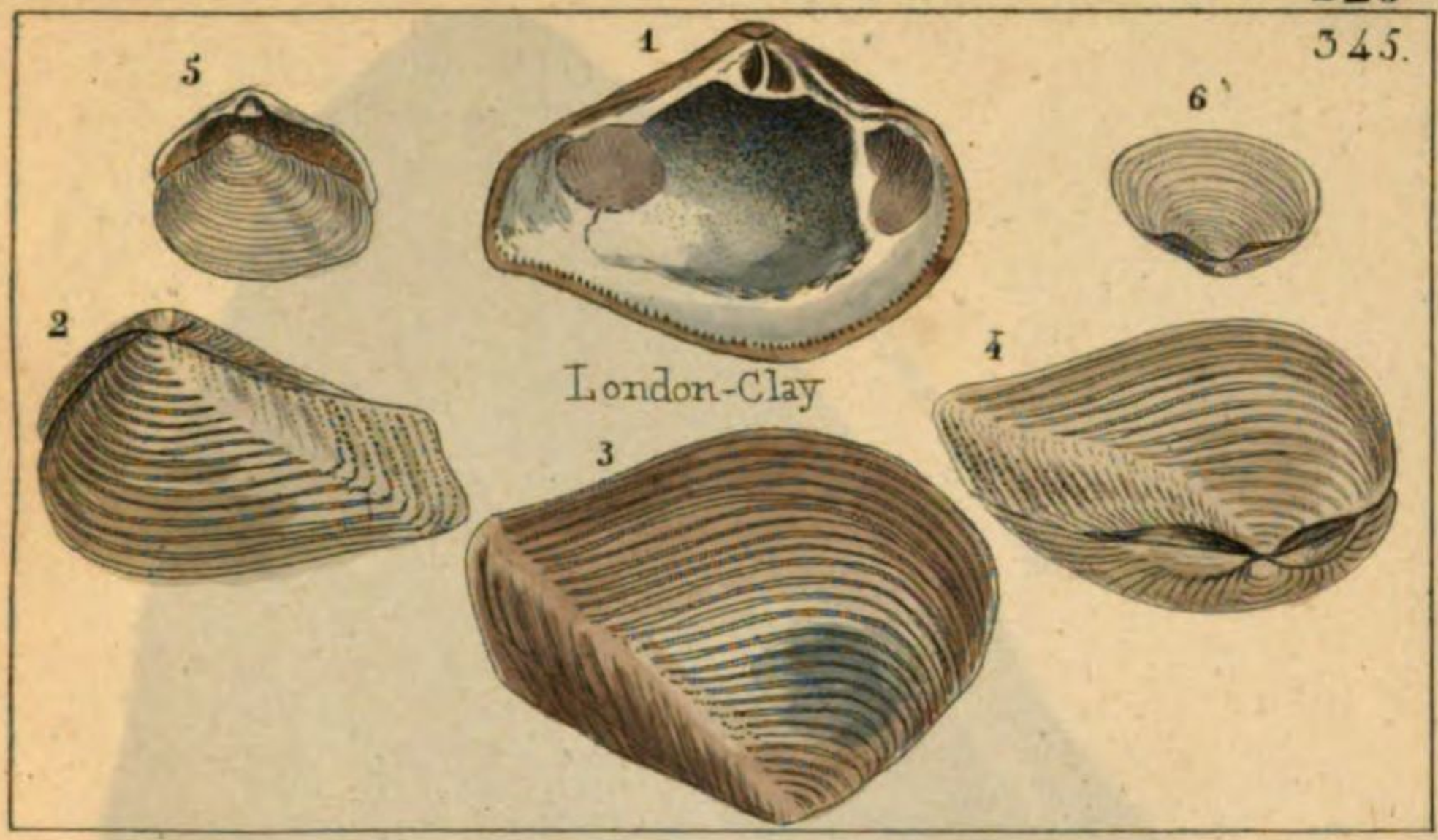
London-Clay. 344



Tab. 342. Psammobia solida. Sow.
Tab. 343. Limnea longiscata Sow.
Tab. 344. Murex argutus Brand.



345.



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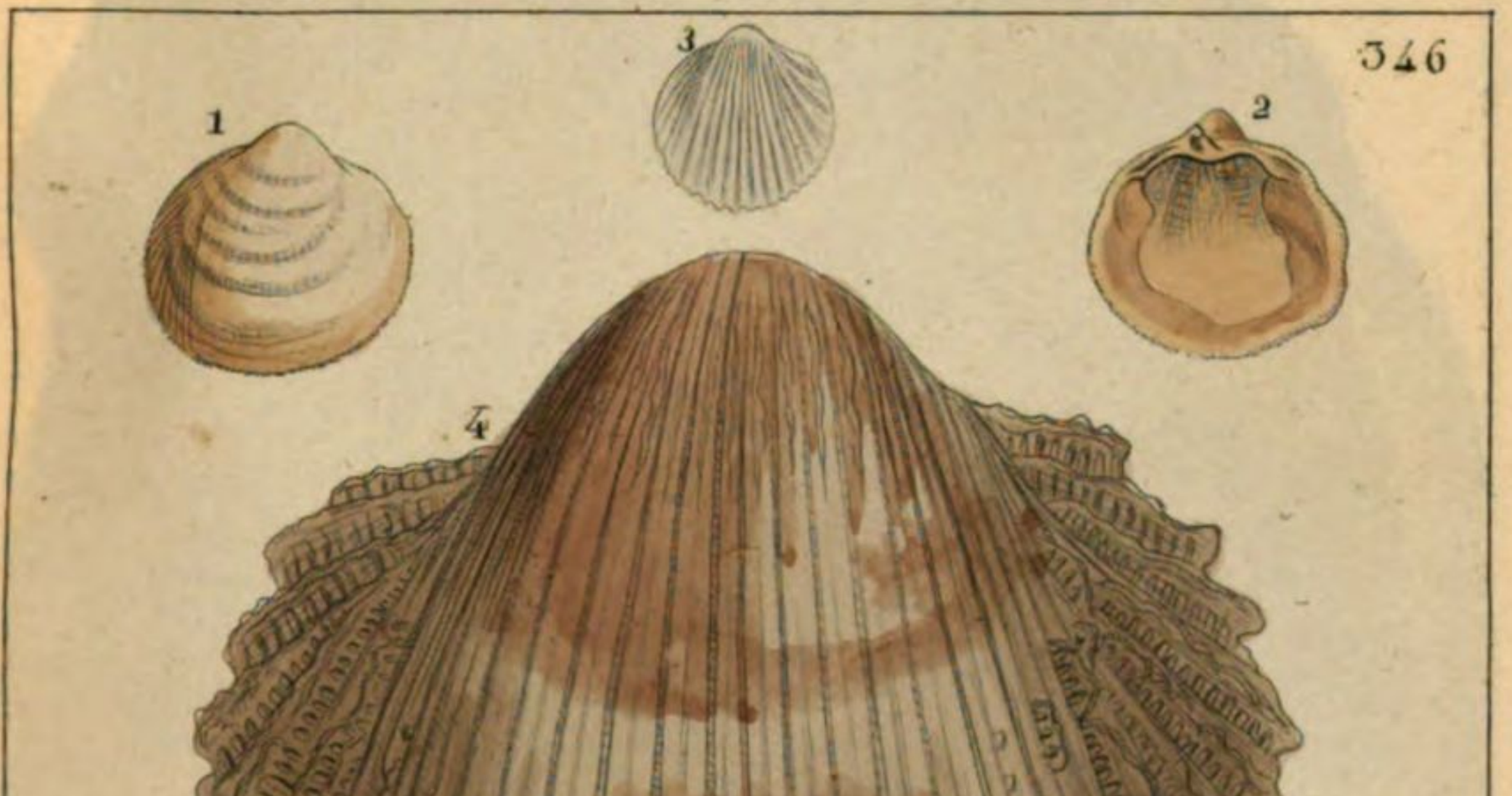
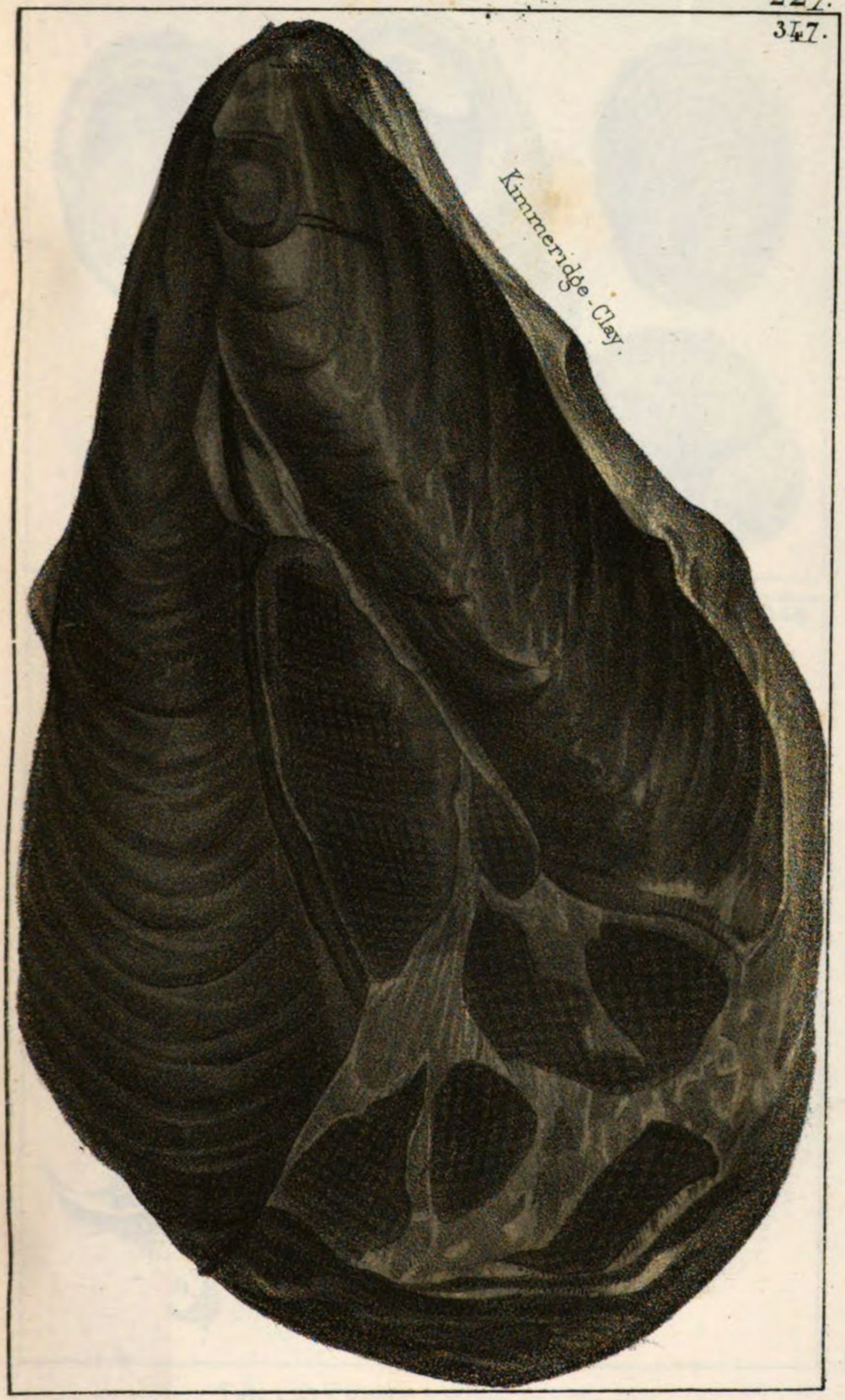


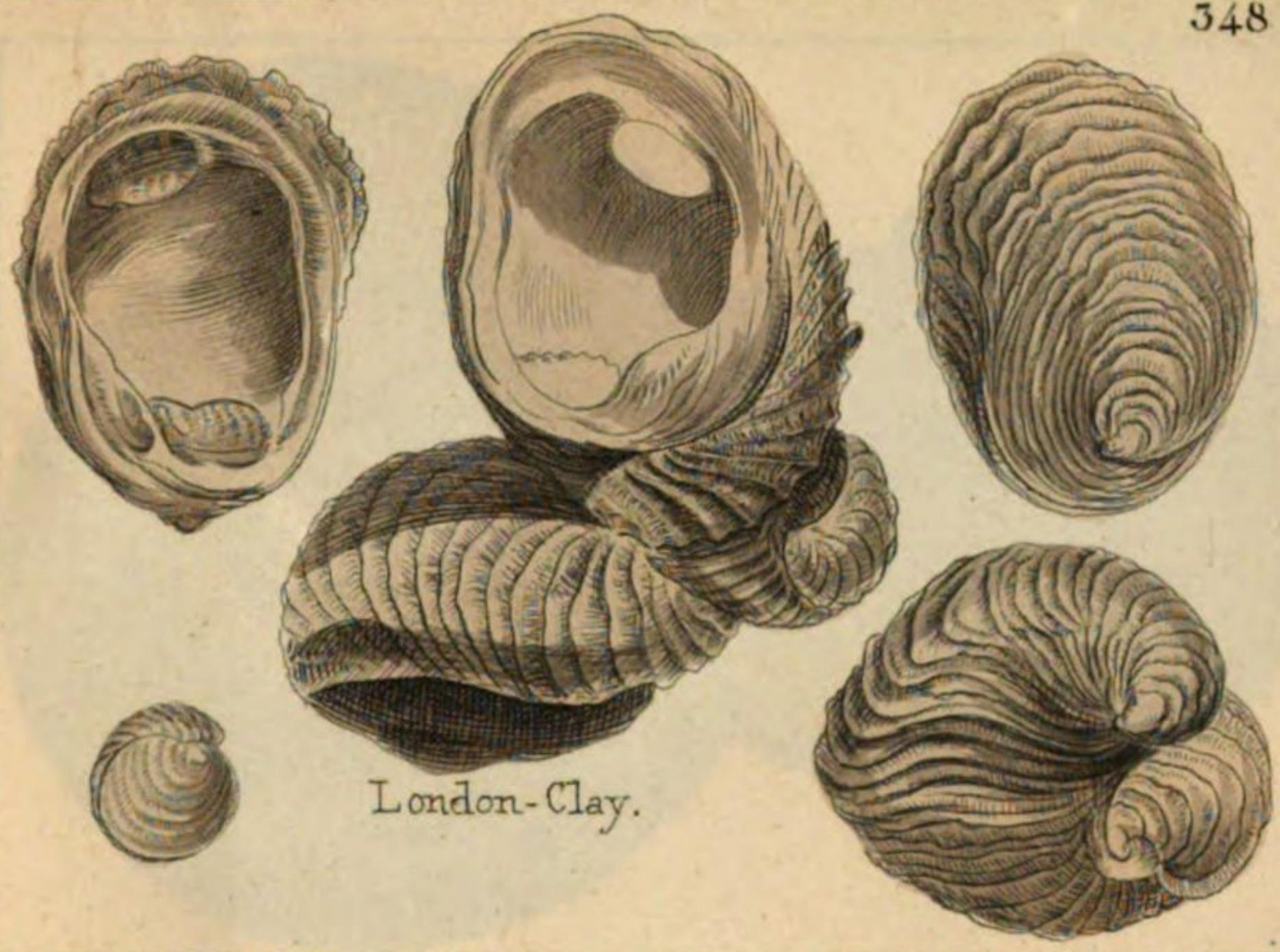
Tab. 345. Fig. 1-4 Crassatella sulcata Sow. - Fig. 5. 6. Crass. plicata Sow.
Tab. 346. Fig. 1. 2 Cardium turgidum Brand. - Fig. 3 - 6 Card. porulosum Brand.

347.



Pinna granulata Sow

348



London-Clay.

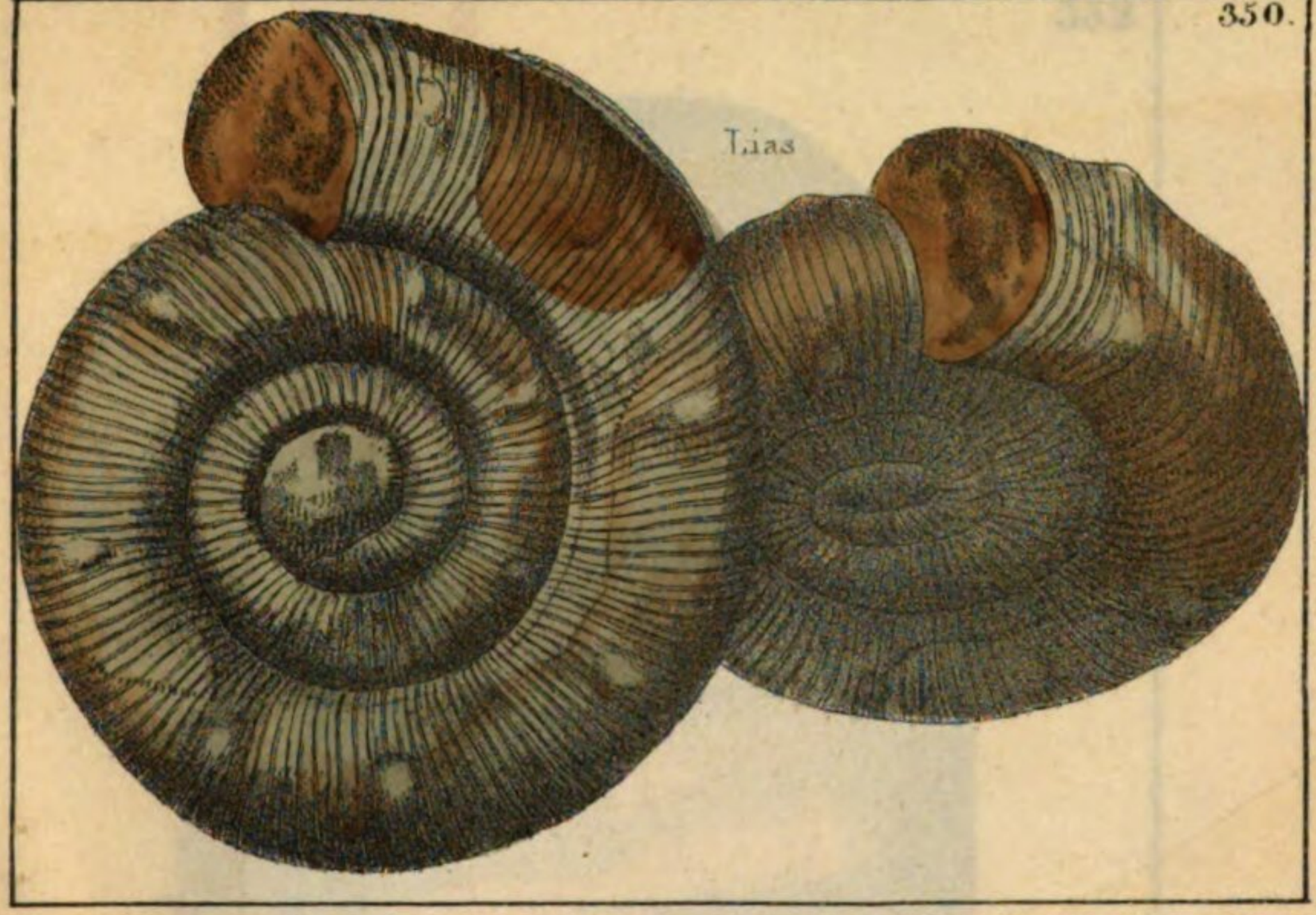
London-Clay. 349

Tab. 348 Chama squamosa Brand.

Tab. 349. Fig. 1-7 Rostellaria Parkinsoni Mantell. - Fig. 8-12 Rost. calcarata Sow.

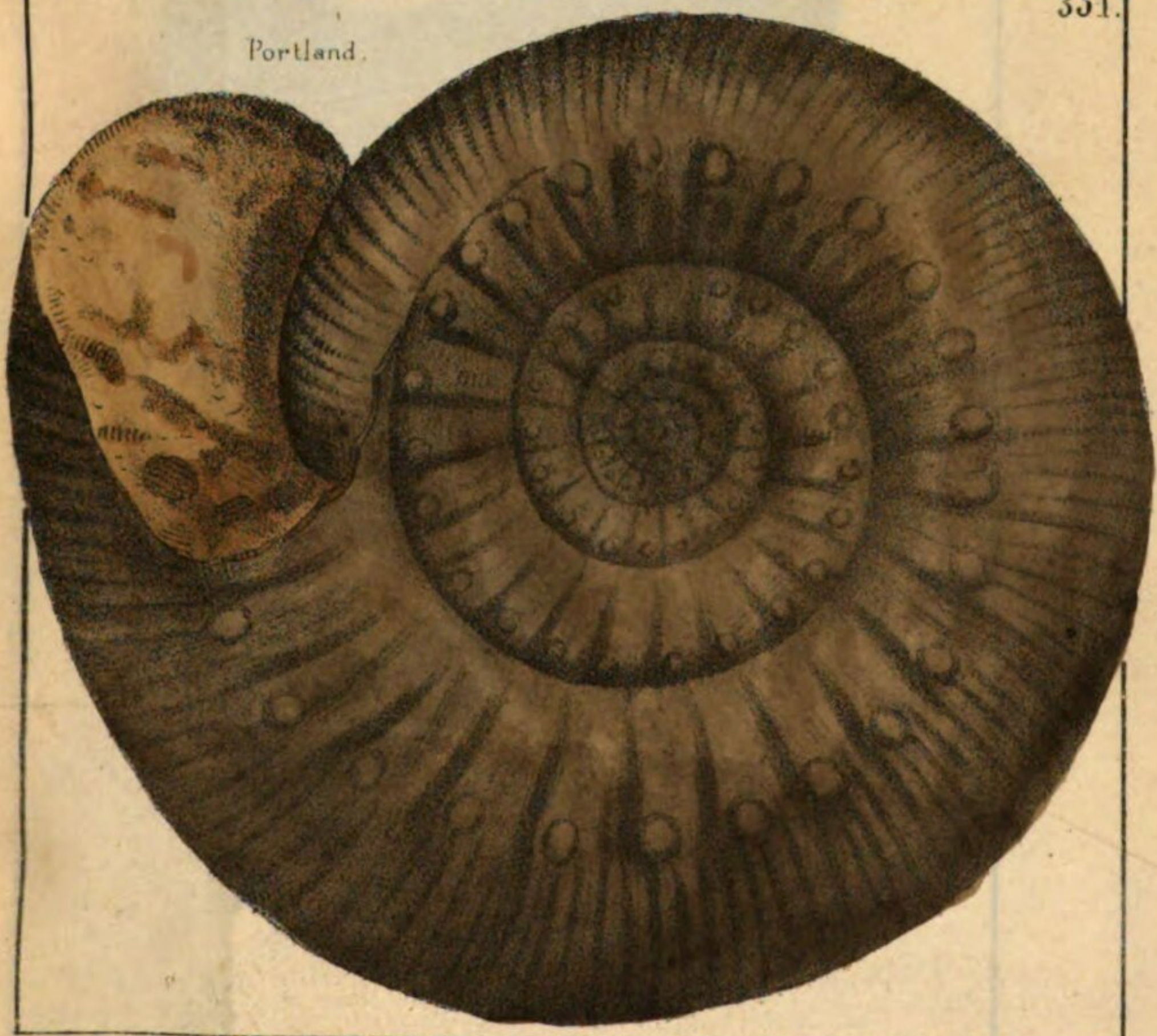
350.

Lias



351.

Portland.



Tab. 350 Ammonites Davoei. Sow.
Tab. 351. Ammonites Brodiei. Sow.

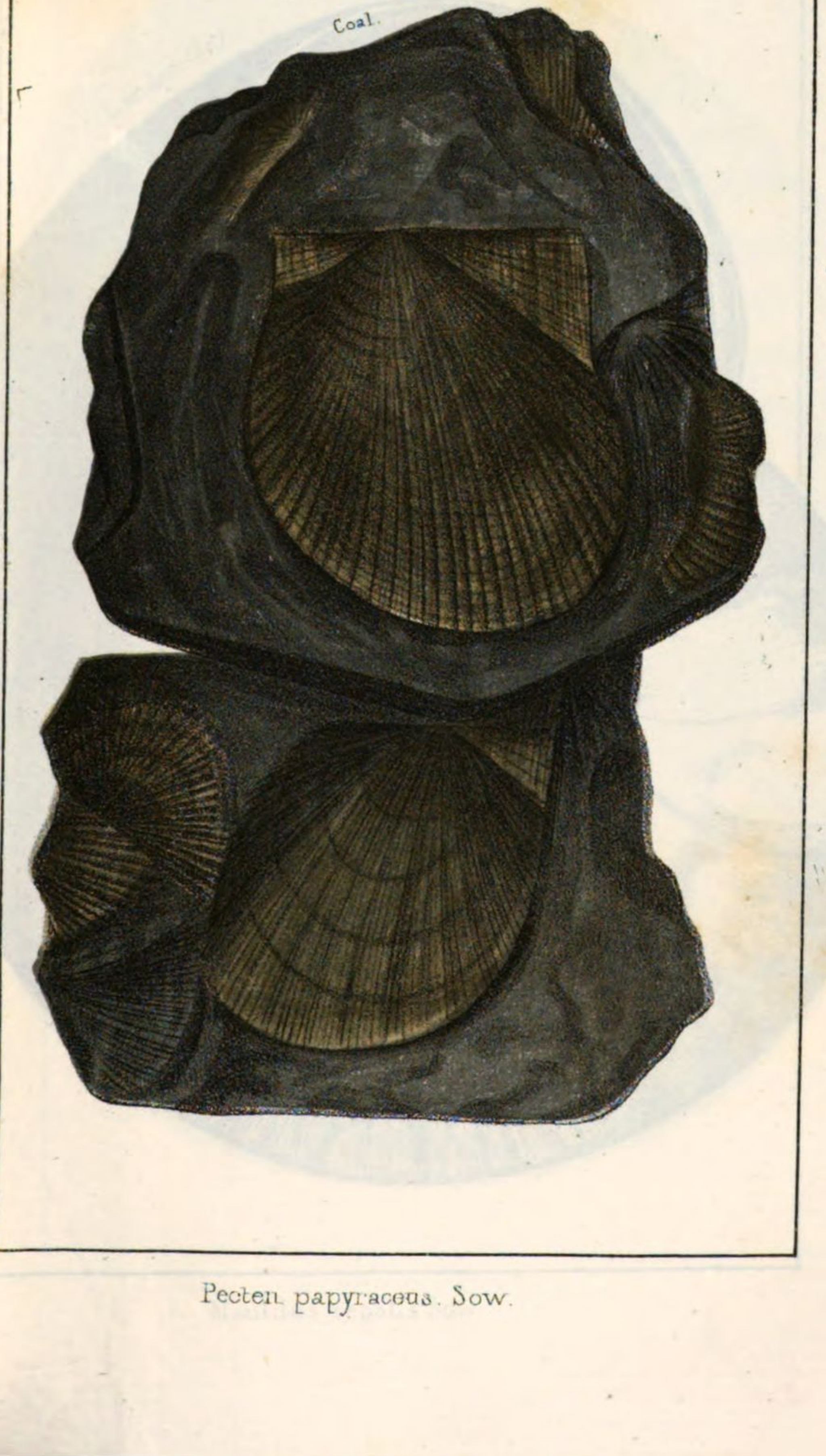
230.
352.

353.

Portland.

Astarte obovata Sow.

354.



Pecten papyraceus. Sow.

London-Clay.

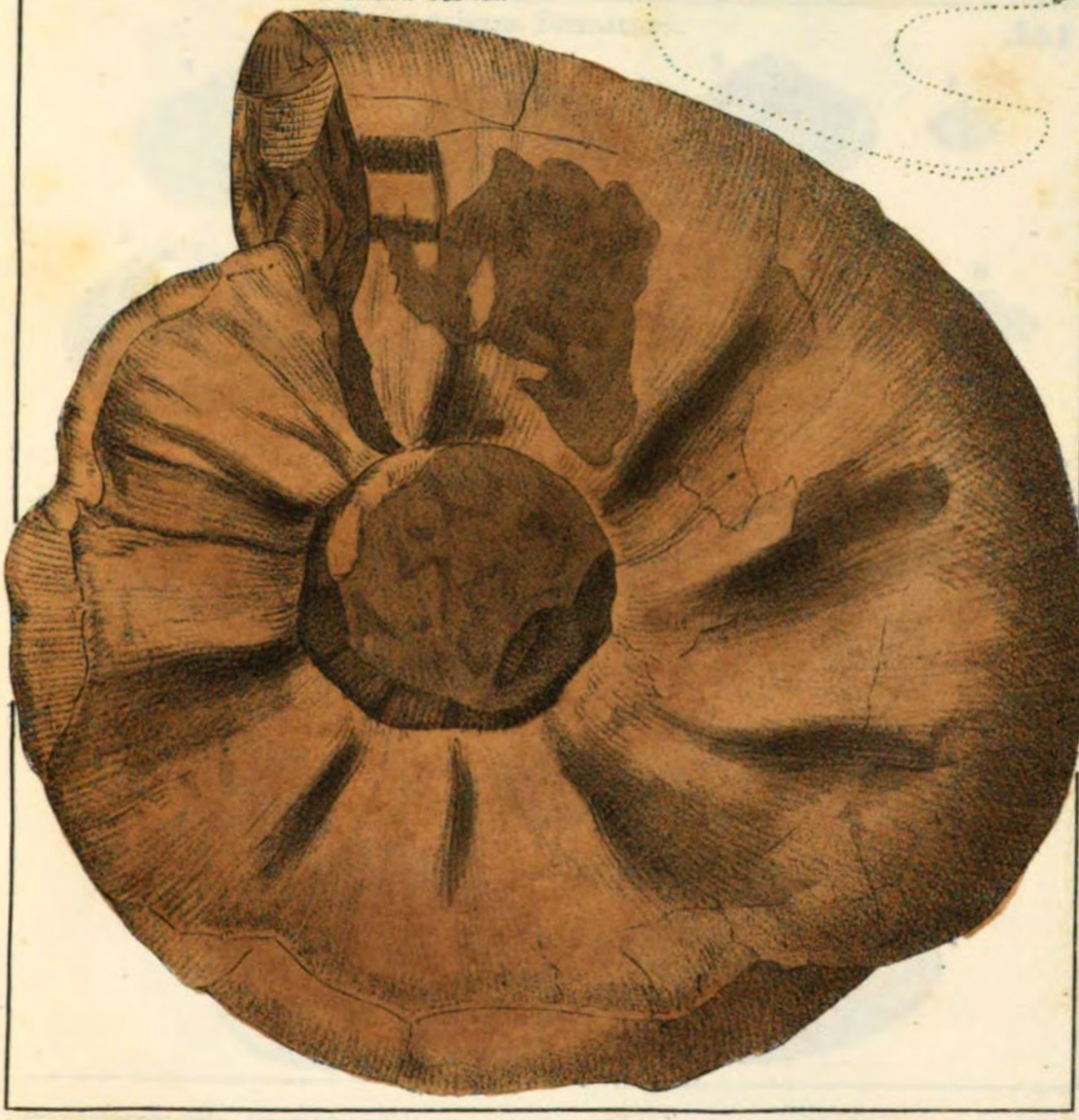
Nautilus regalis Sow.

Nautilus radiatus Sow.

357.

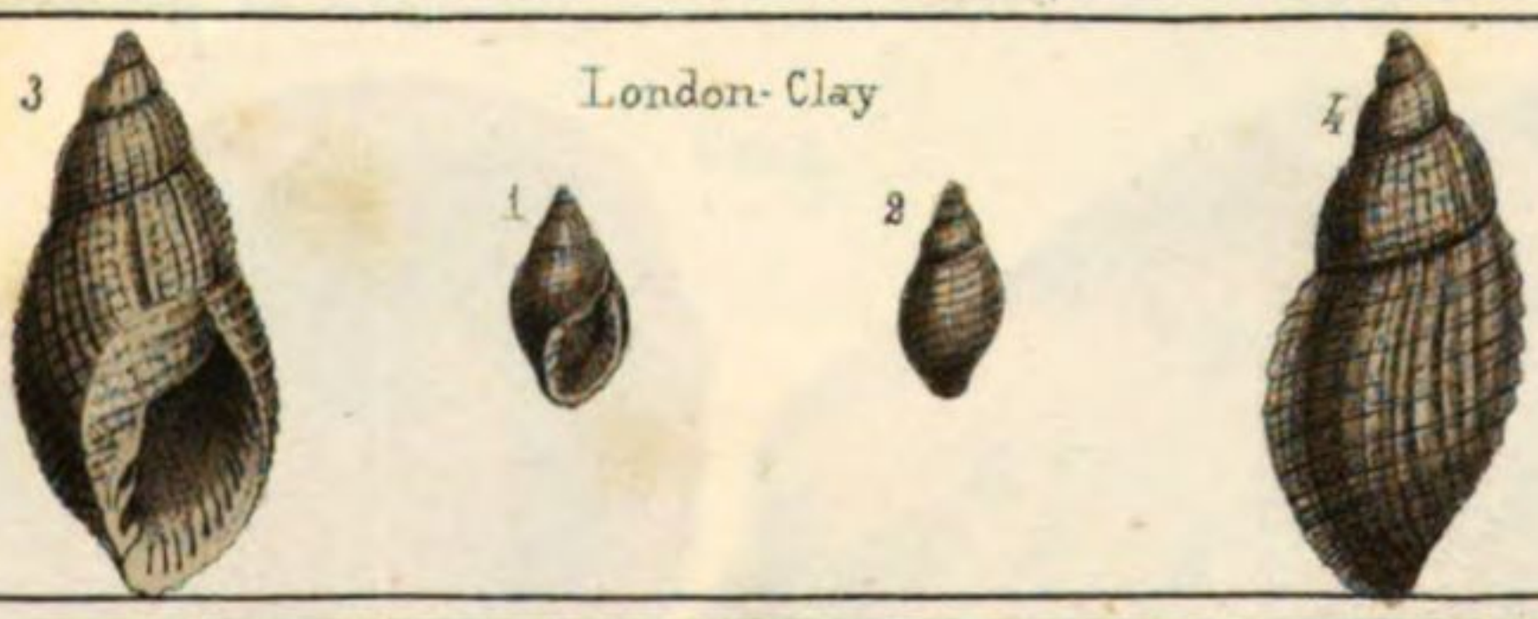
359

Fullers-earth.



360.

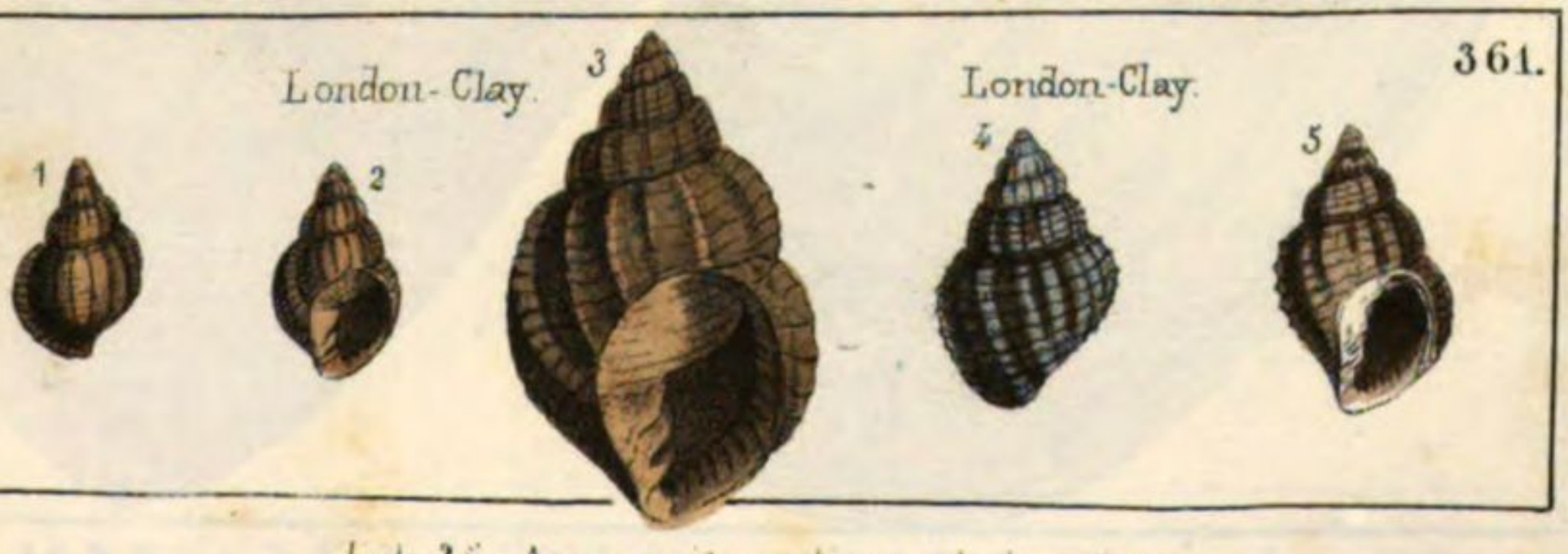
London-Clay



361.

London-Clay.

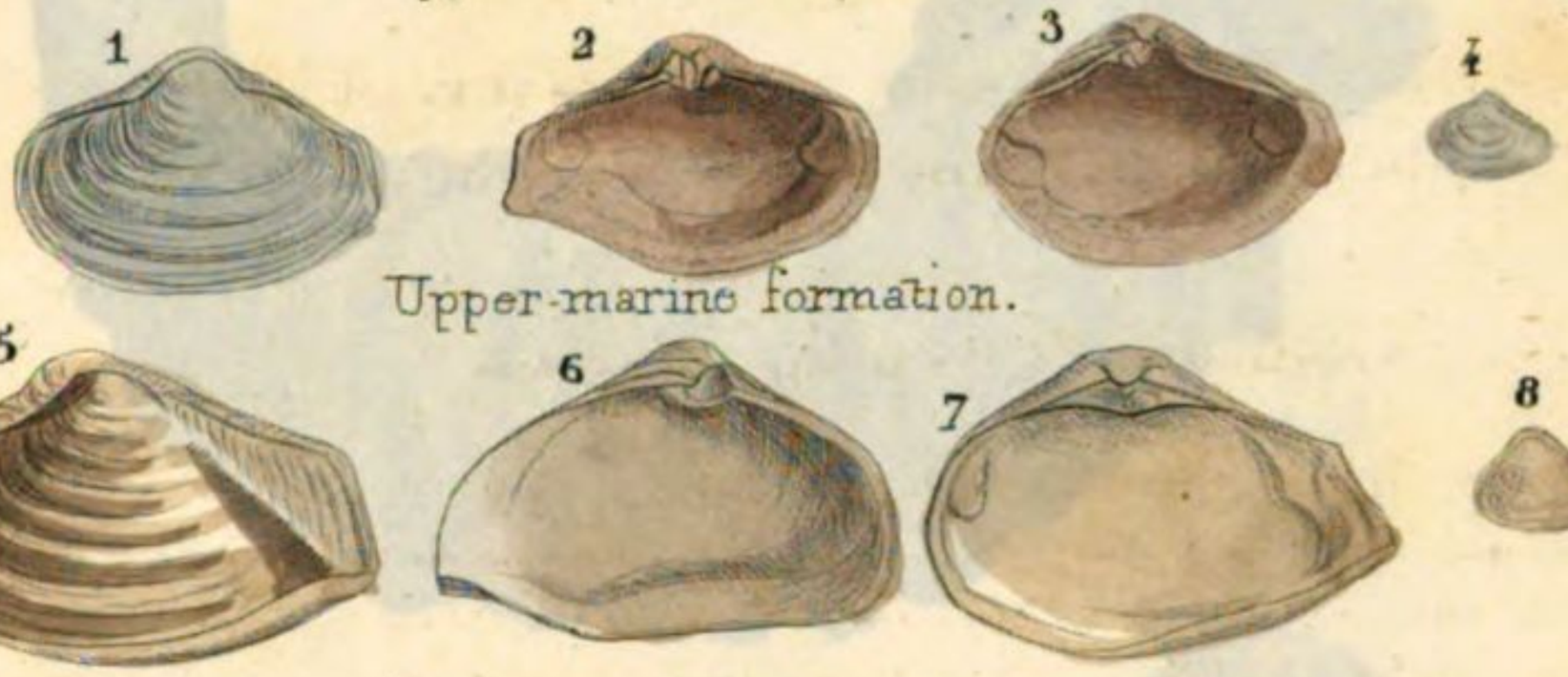
London-Clay.



Tab.359 Ammonites pliconiphalus Sow.
Tab.360. Cancellaria quadrata Sow.
Tab.361. Fig.1.2. Cancellaria laeviuscula Sow.-Fig.3.4.5. Canc.evulsa Sow.

362

Upper-marine formation.



Upper-marine formation.

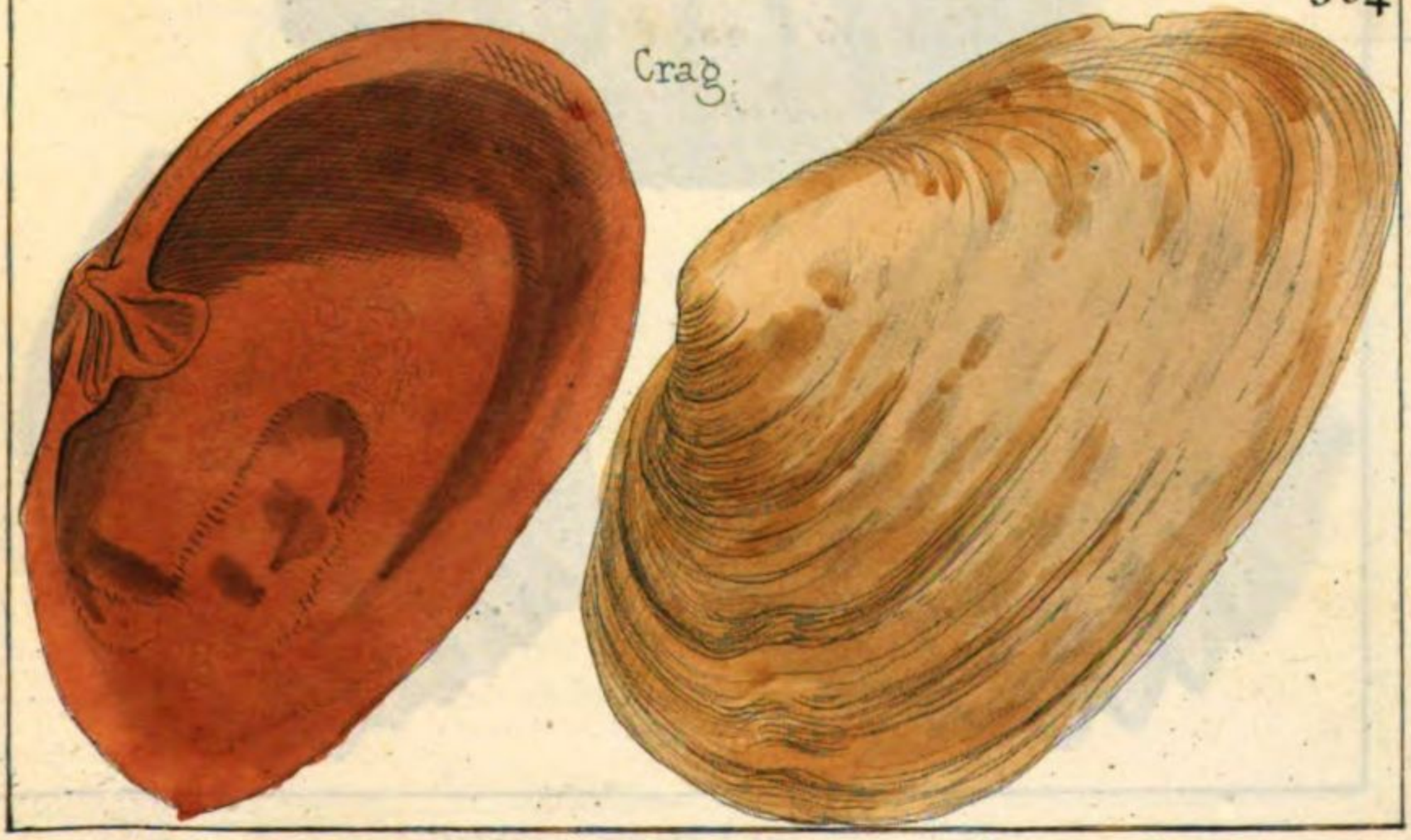
Crag

363

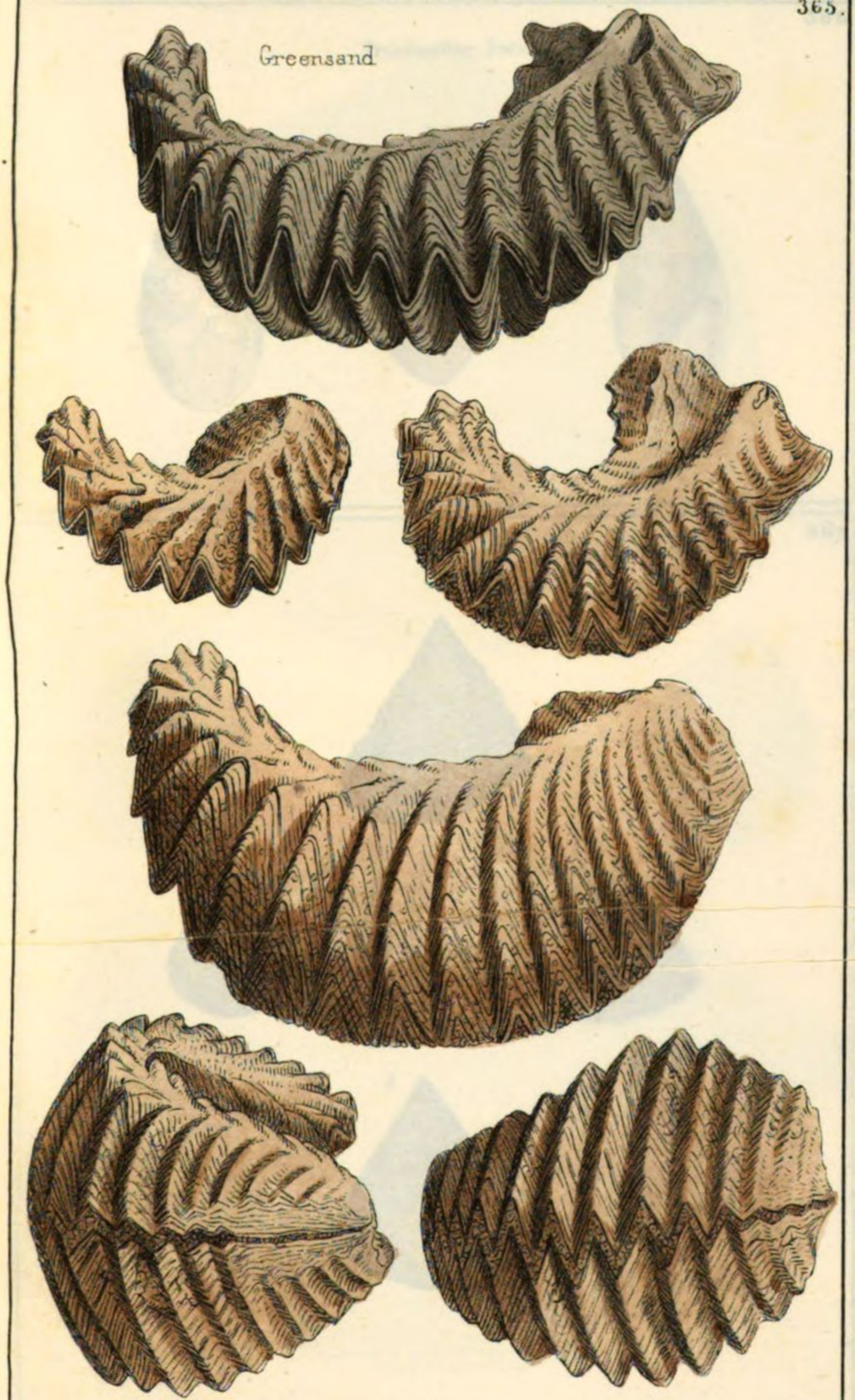
Upper-marine formation.

364

Crag.



Tab. 362 Fig. 1-4. Corbula nitida Sow- Fig. 5-8. Corb. cuspidata. Sow- Fig. 9-11 Corb. complanata Sow.
Tab. 363. Mya ? gregarea. Sow.
Tab. 364. Mya arenaria. Lin.

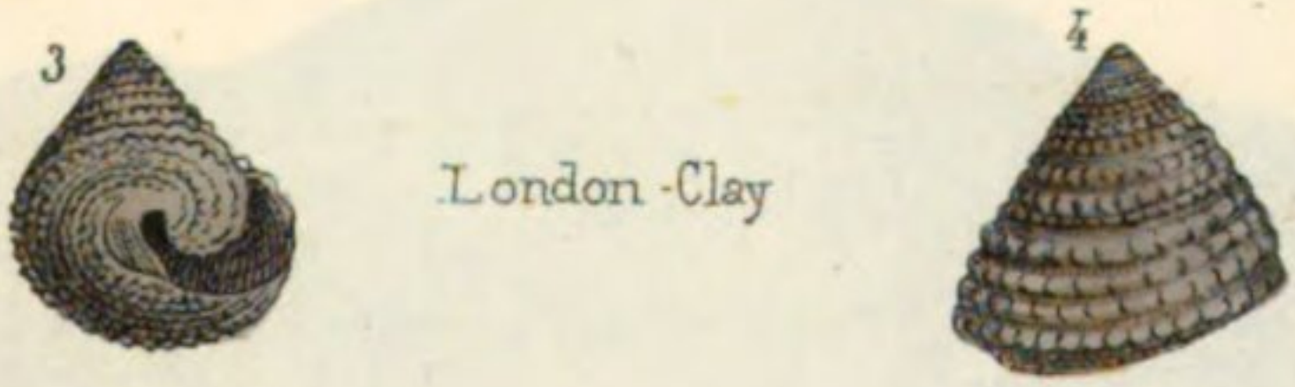


Ostrea carinata Lam.

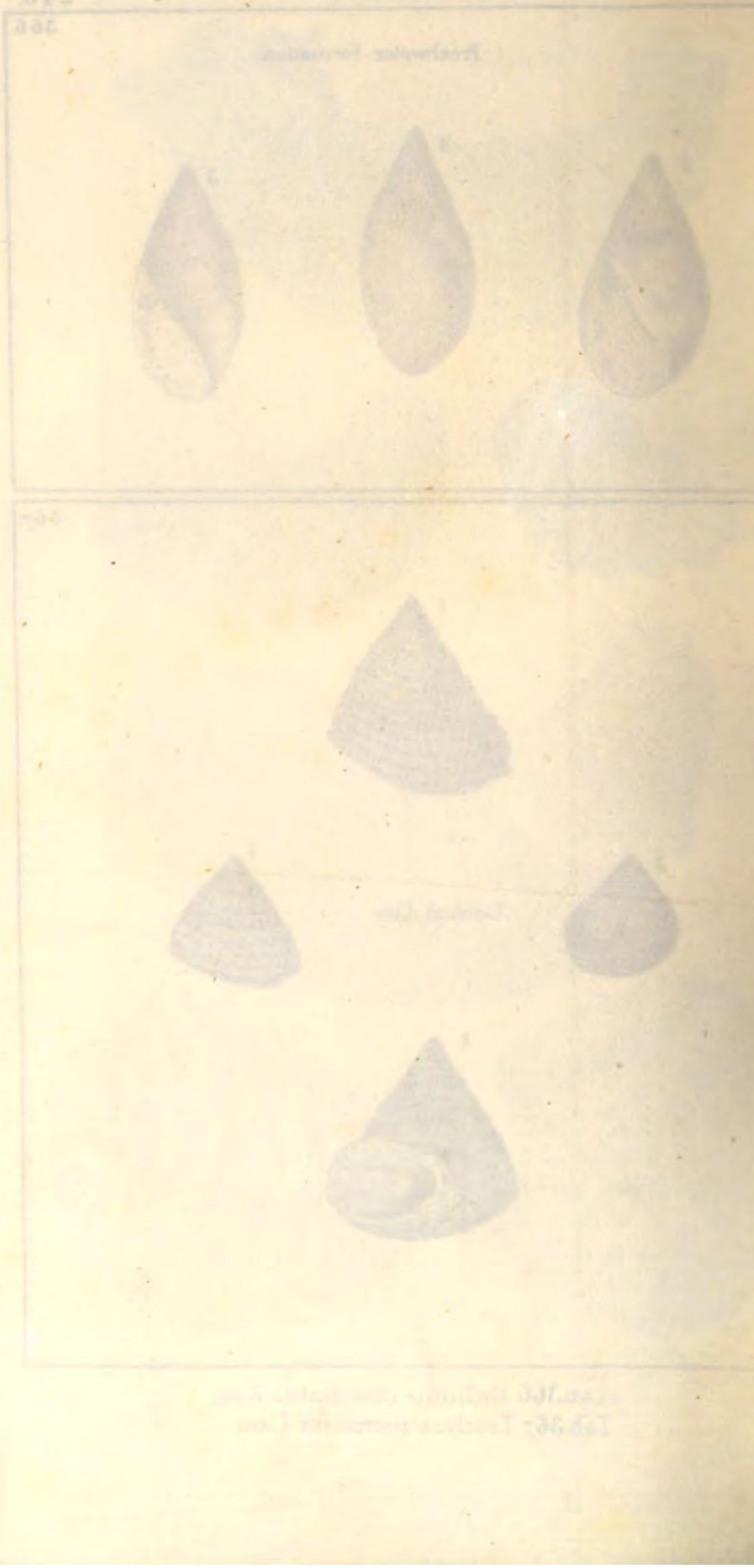
366.

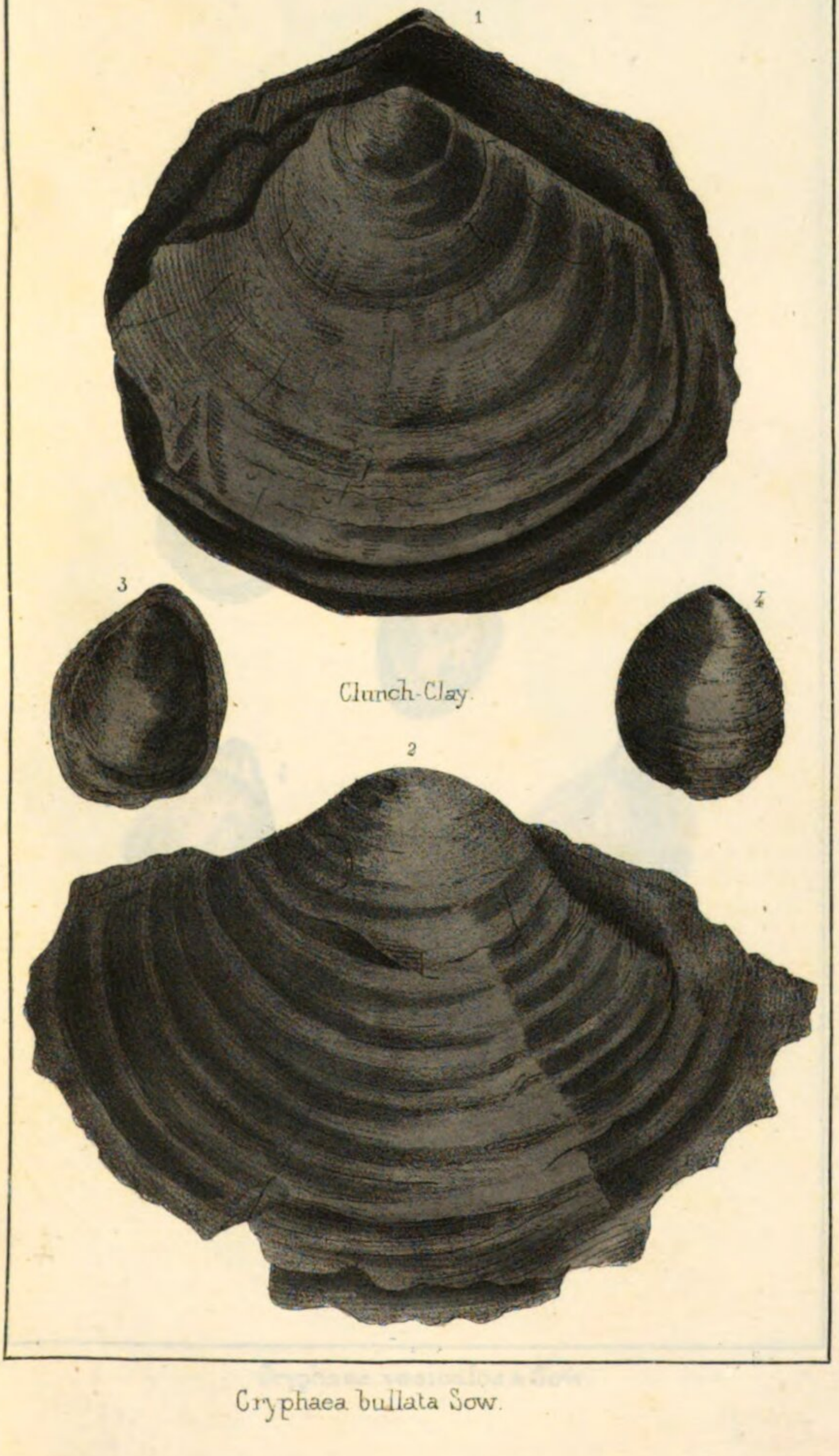
Freshwater - Formation

367.



Tab.366 Bulimus costellatus Sow.
Tab.367 Trochus monilifer Lam.





Cryphaea bullata Sow.

Greensand.

Gryphaea vesiculosa Sow.

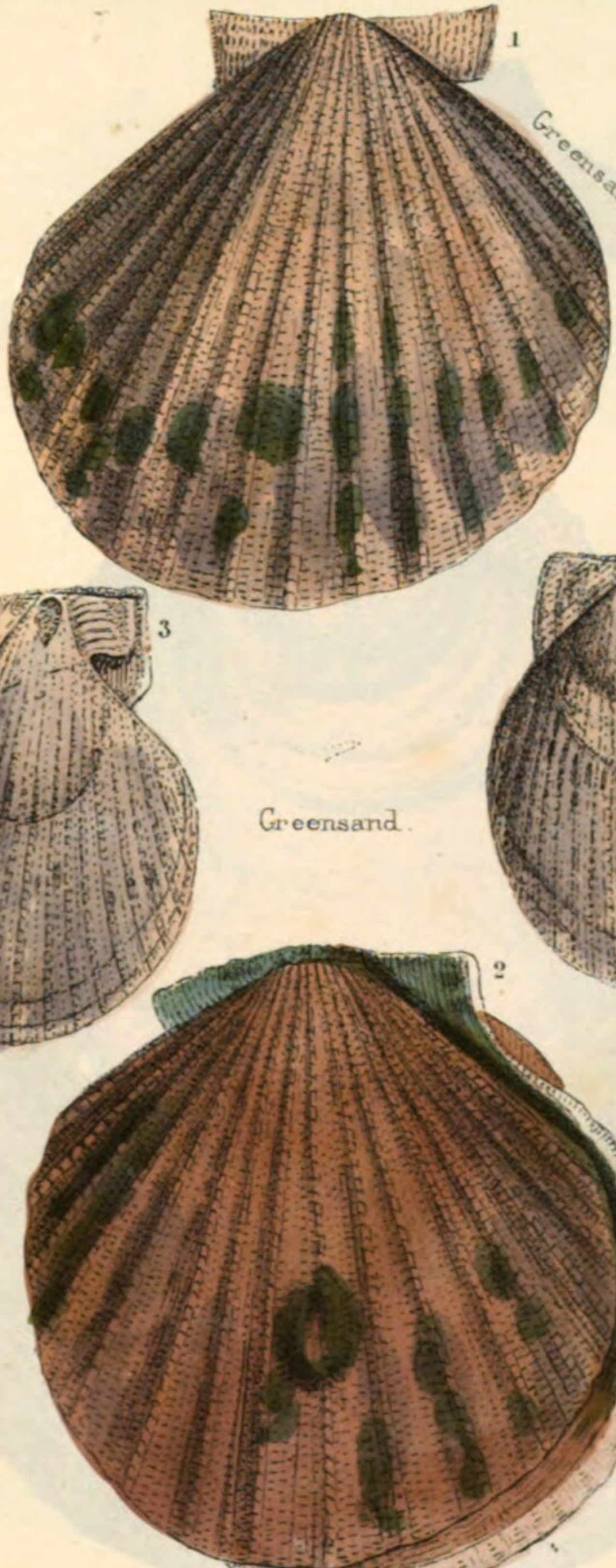
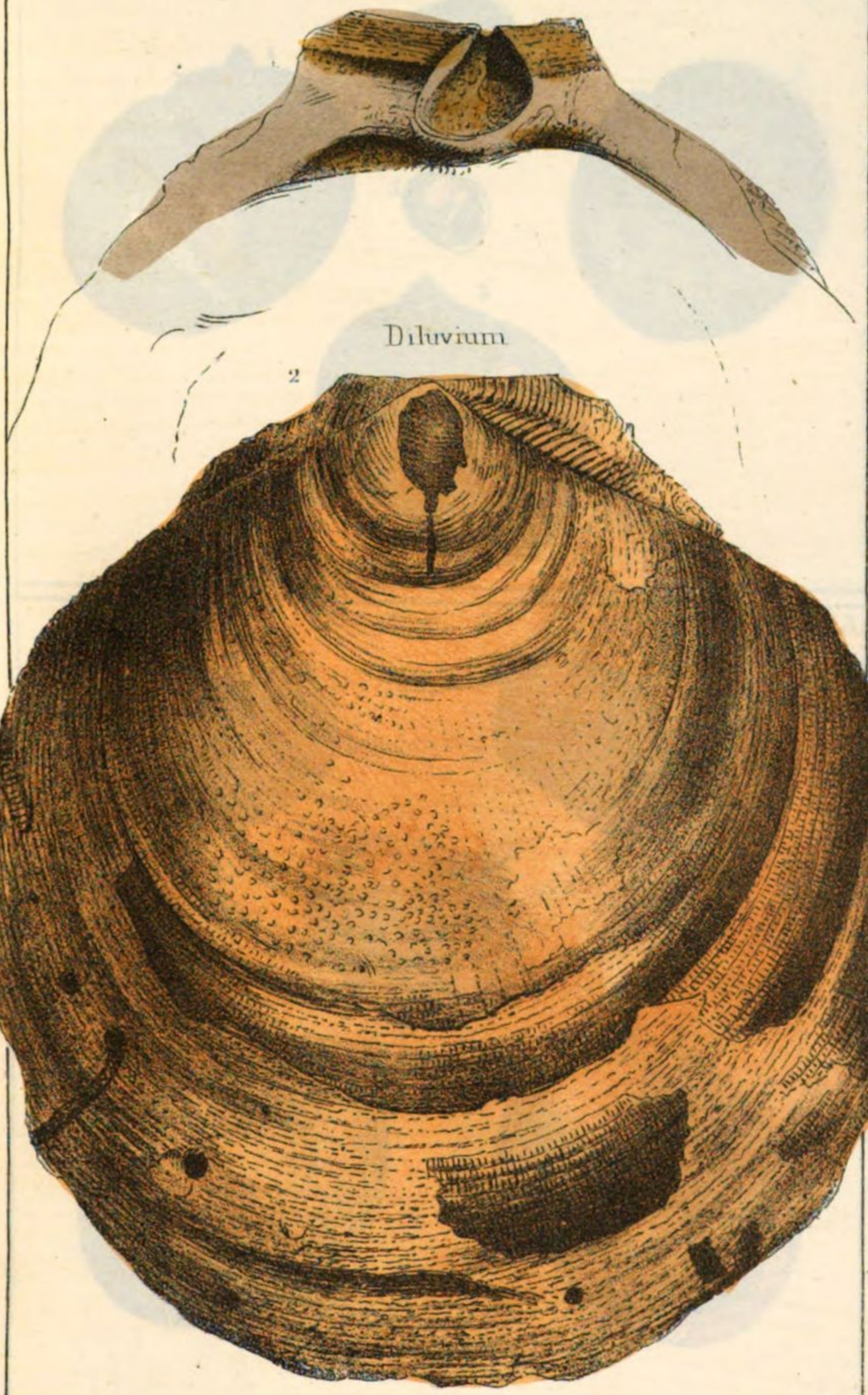


Fig. 1. 2 Pecten asper Lam: Fig. 3. 4 Pecten obliquus Sow.

371.



Pecten cinctus Sow.

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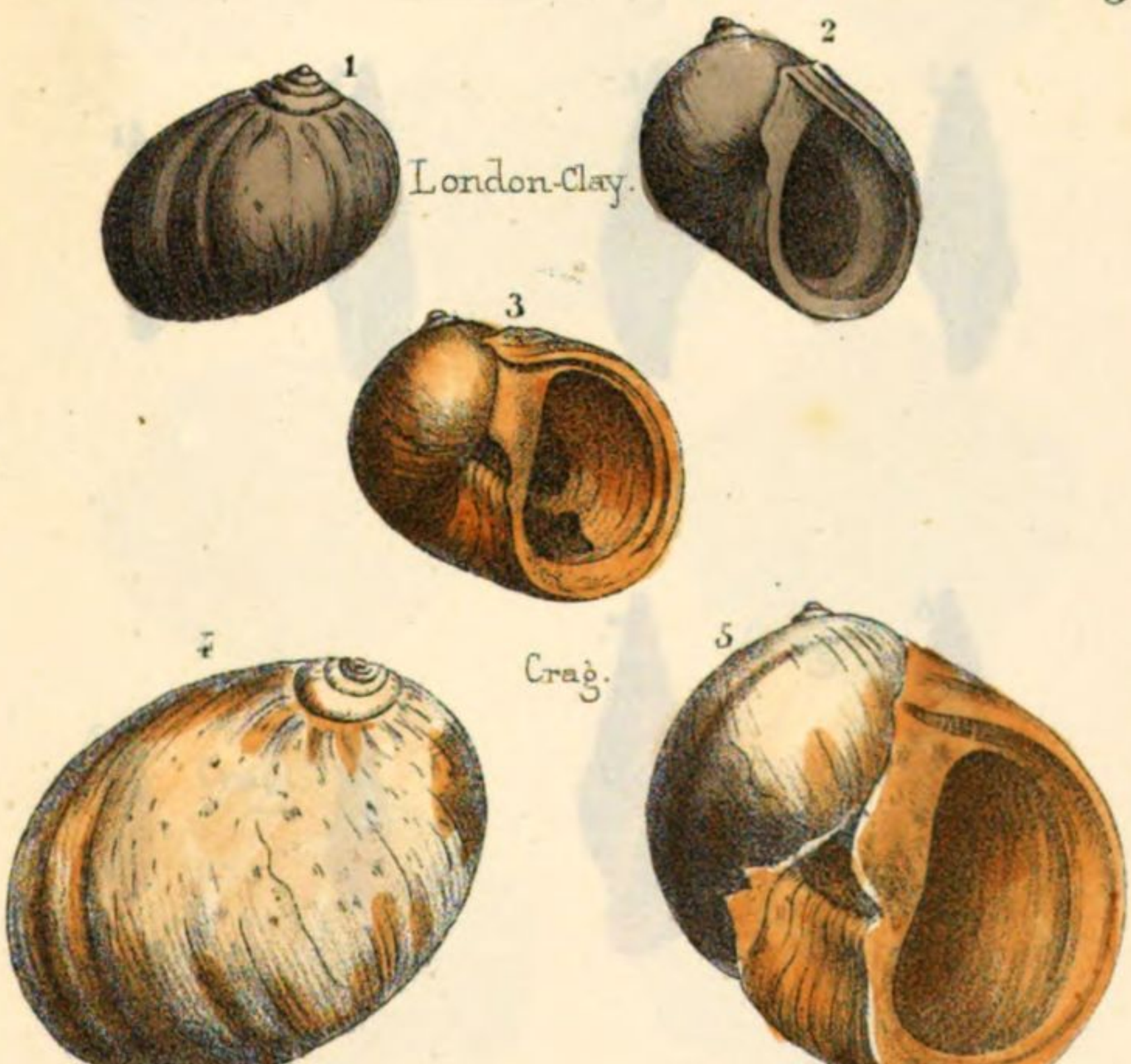
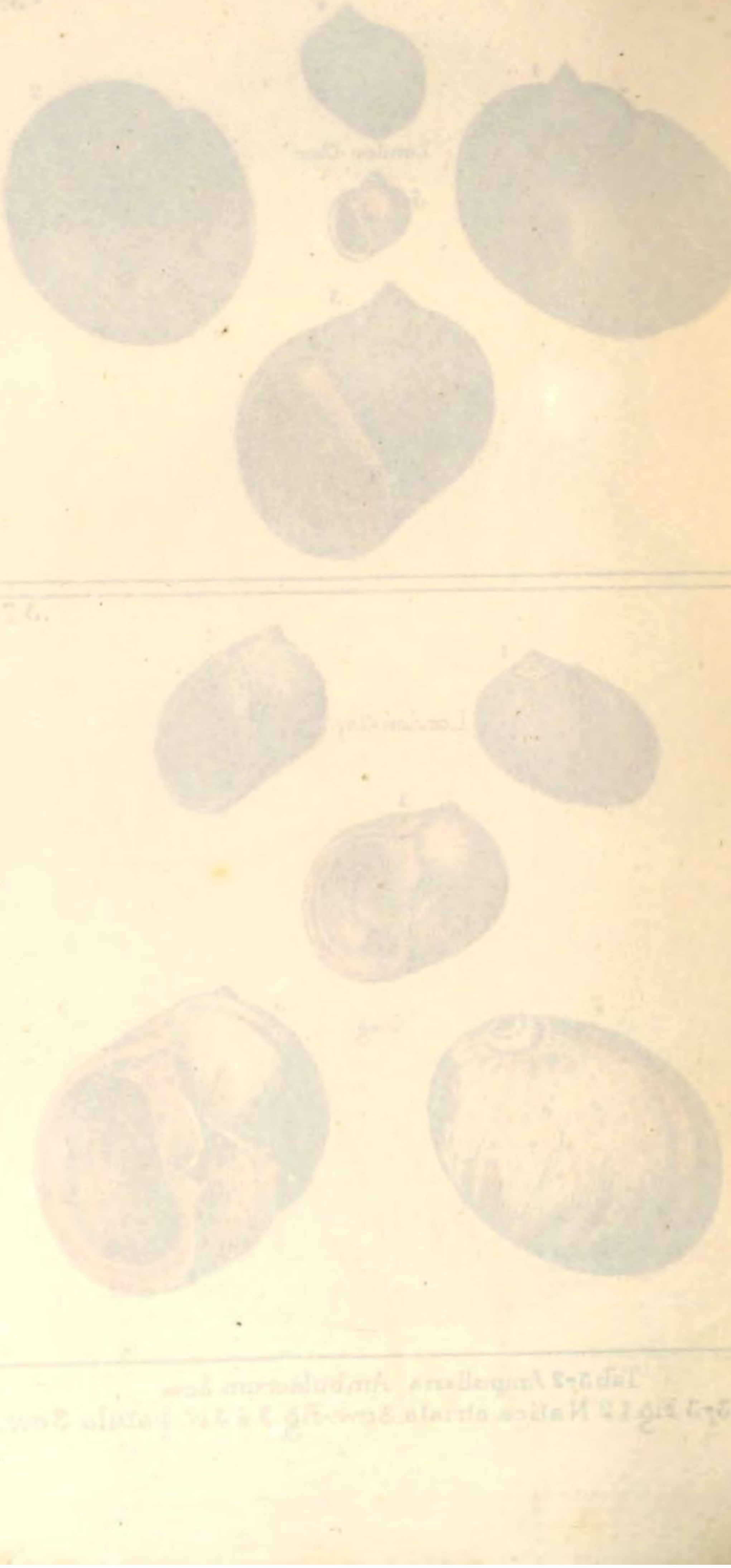
373.



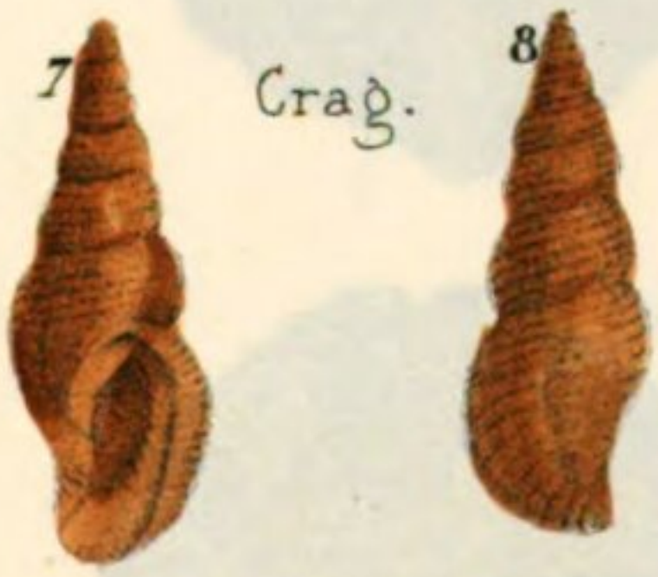
Tab. 372. Ampullaria. Ambulacrum. Sow.
Tab. 373. Fig. 1. 2 Natica striata Sow. - Fig. 3. 4. 5 N. patula Sow.



Crag.

London-Clay

Crag.

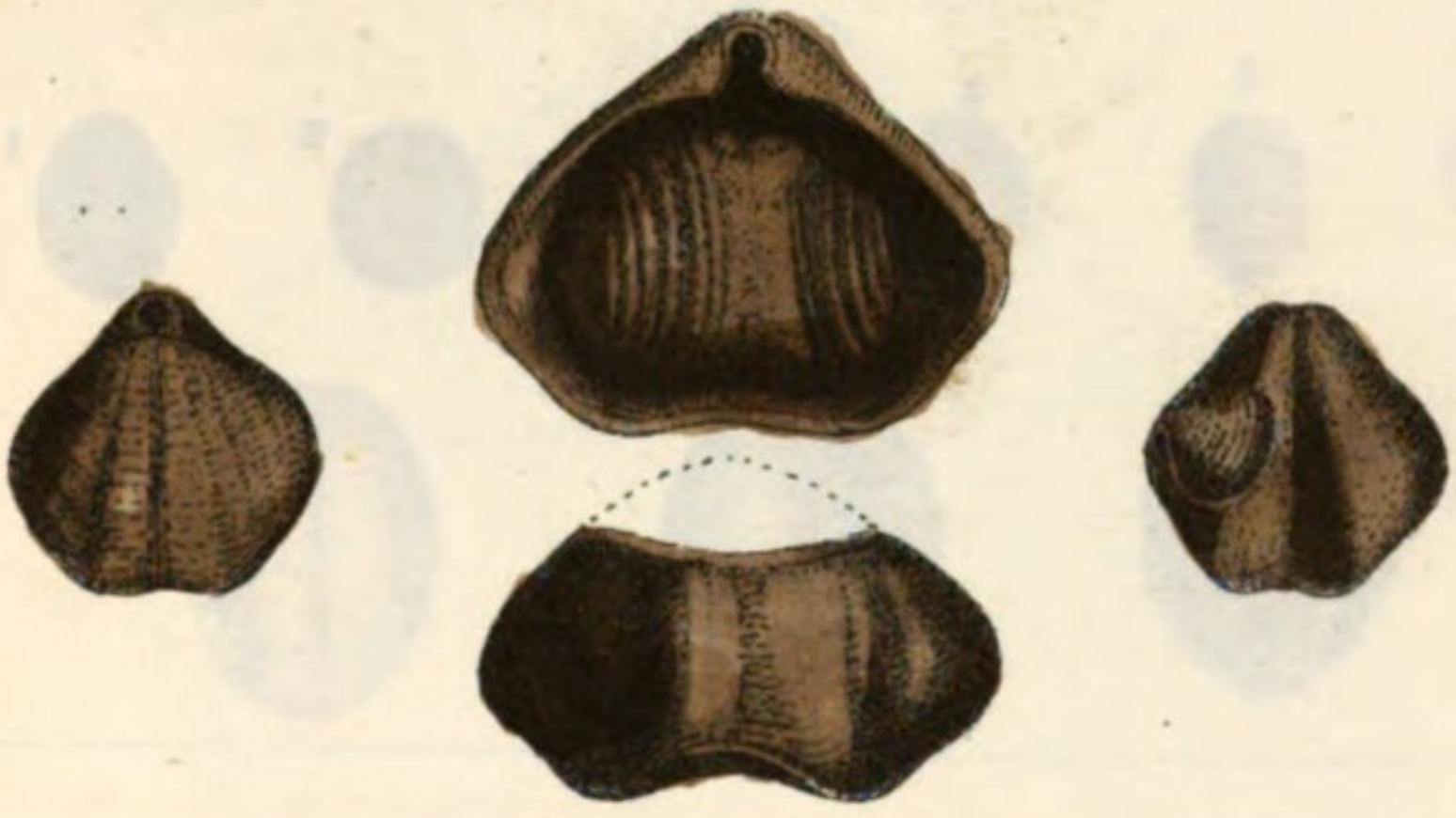


Crag.

Tab. 374. Acteon Noe Sow.
Tab. 375. Fig. 1-4. Buccinum junceum Sow. - Fig. 5. 6. B. Mitrula Sow. - Fig. 7. 8. B. sulcatum. Sow.

376.

Mountain-limestone.



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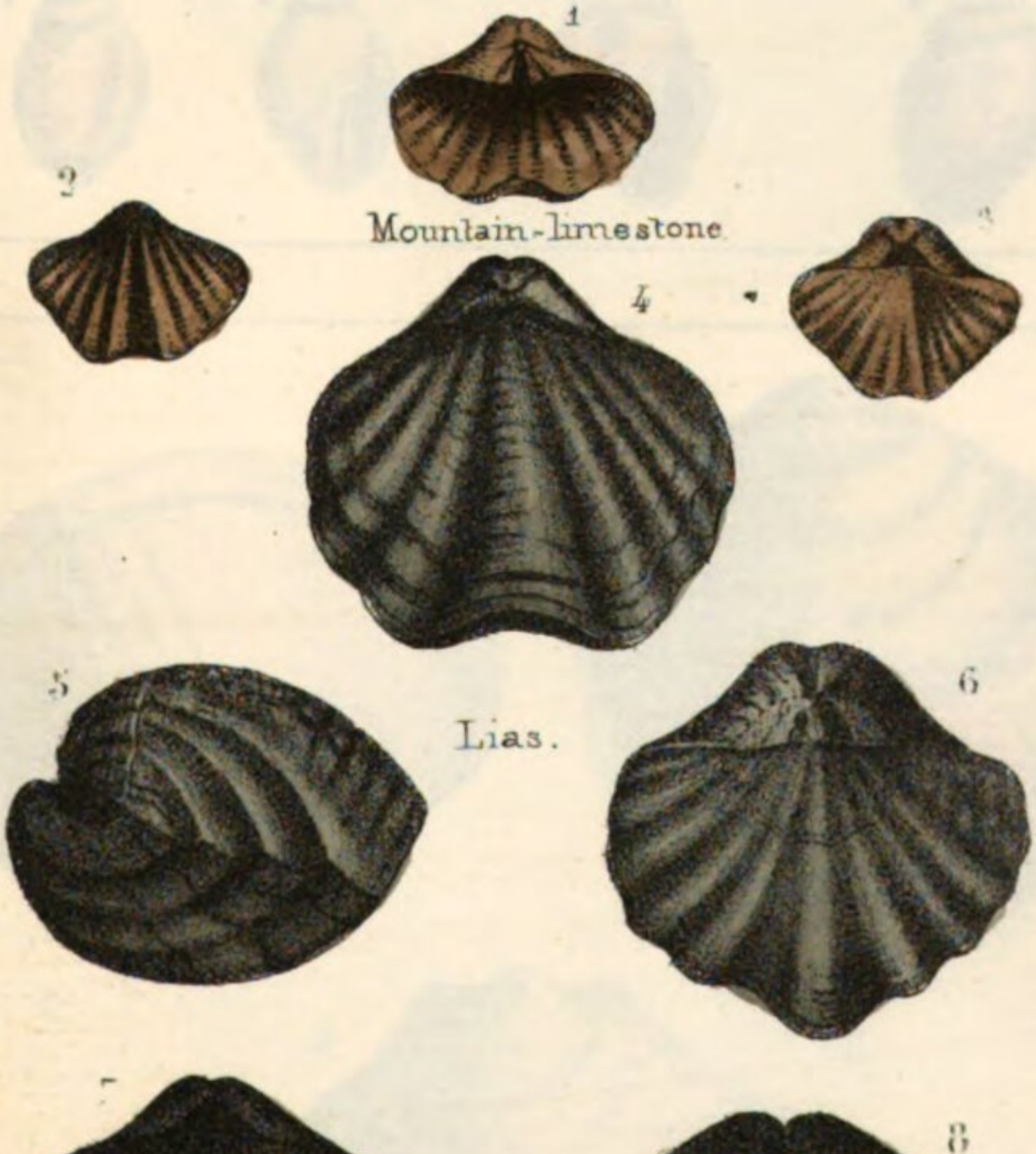

Tab. 376. Spirifer ambiguus Sow.

Tab. 377 Fig. 1.2.3 Spirifer rumanus Sow Fig. 4.5.6.7.8 Sp. Walcatti Sow.

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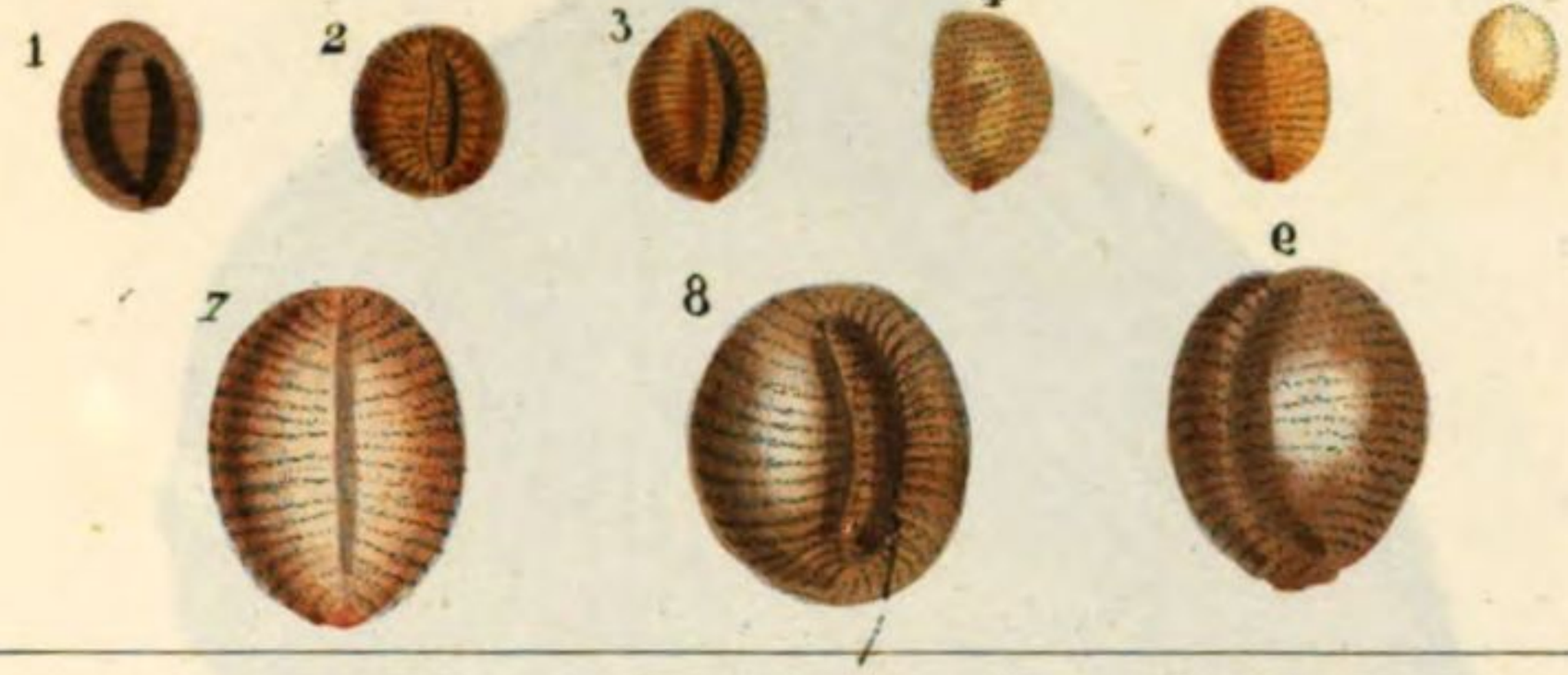
Crag.



379

Crag.

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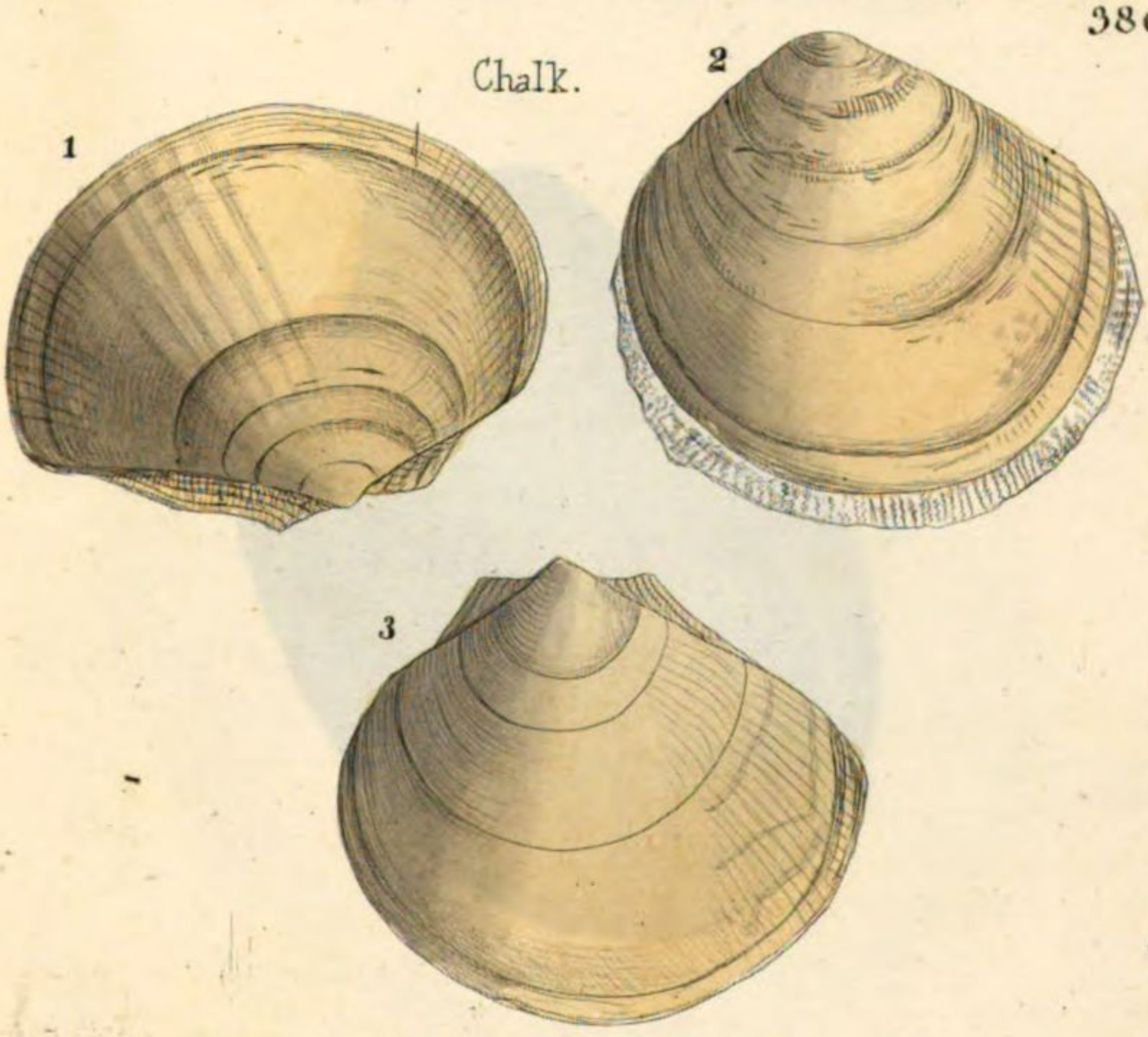
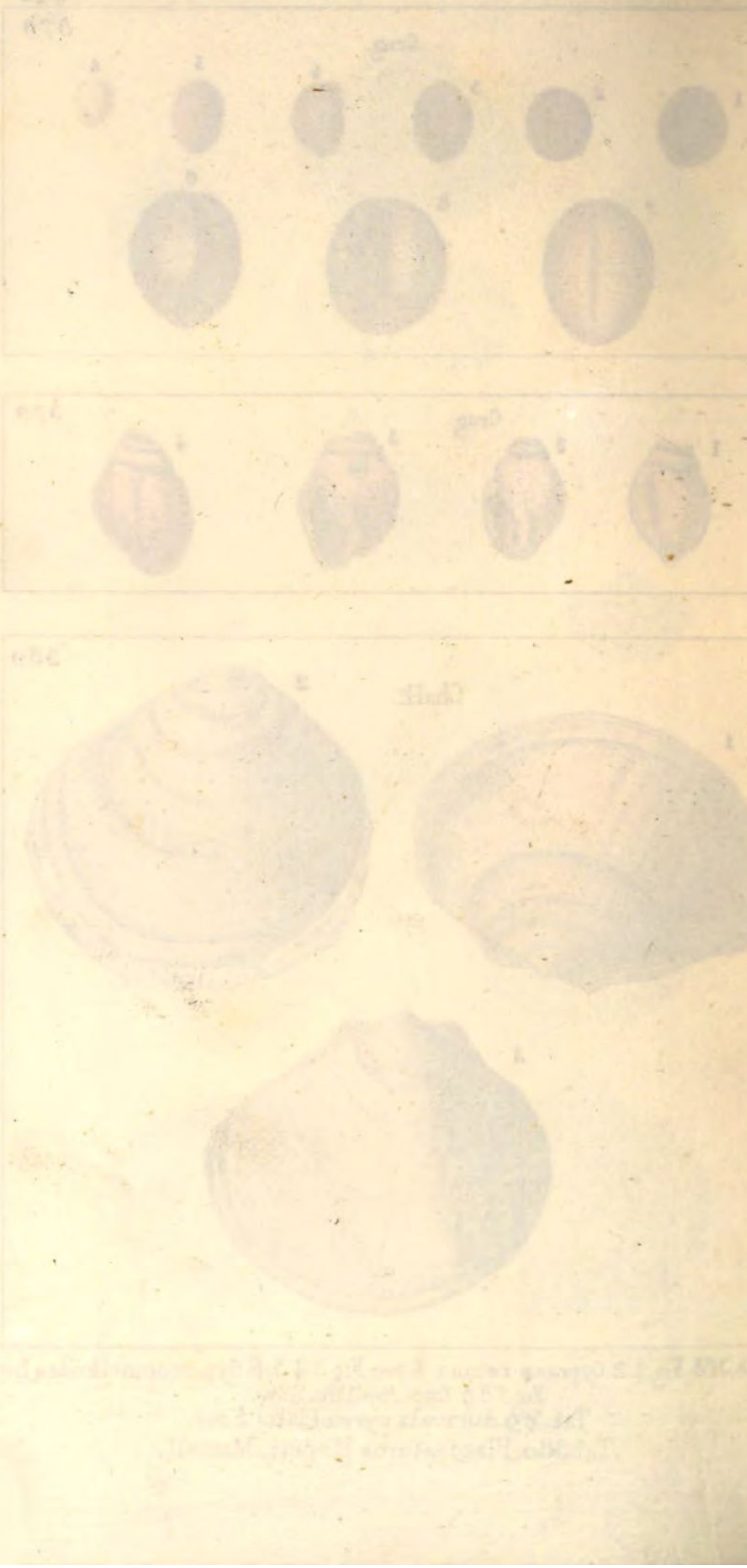
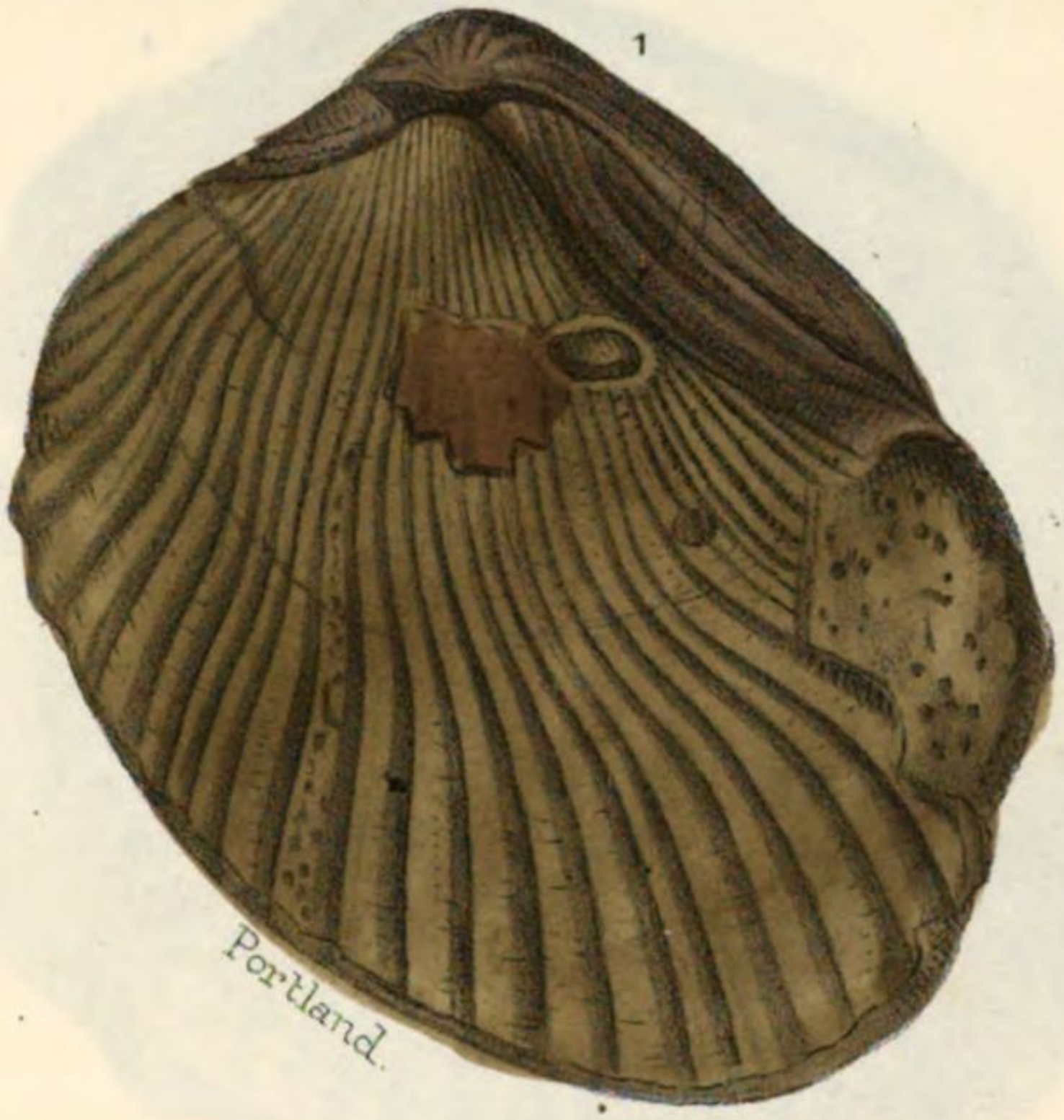
Chalk.



Tab.378. Fig.1.2 Cypraea retusa Sow.- Fig.3.4.5.6 Cyp. coccinelloides Sow.
Fig.7.8.9. Cyp. Avellana Sow.
Tab.379. Auricula pyramidalis Sow.
Tab.380. Plagiostoma Hoperi. Mantell.



1

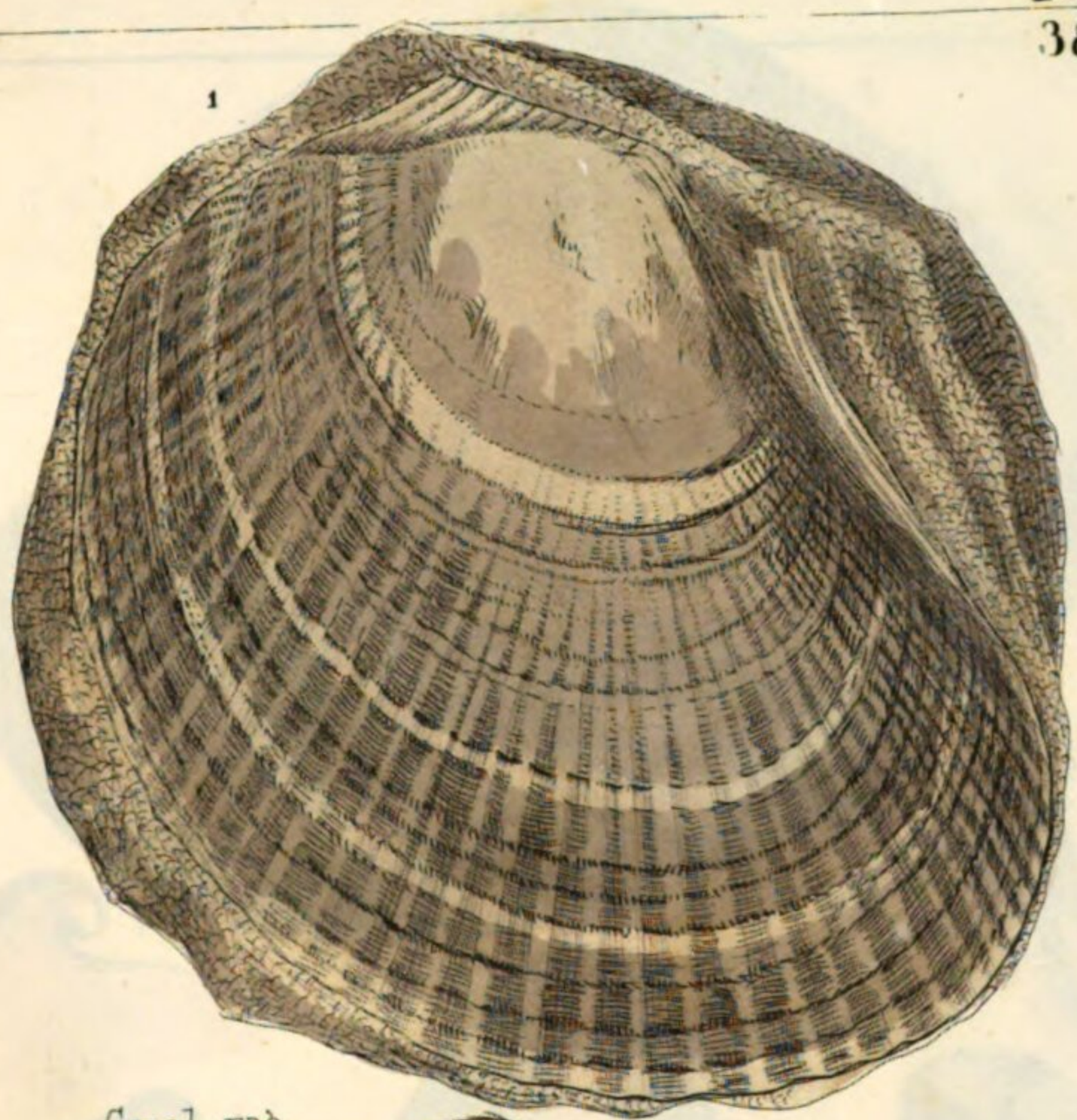


Portland.

2

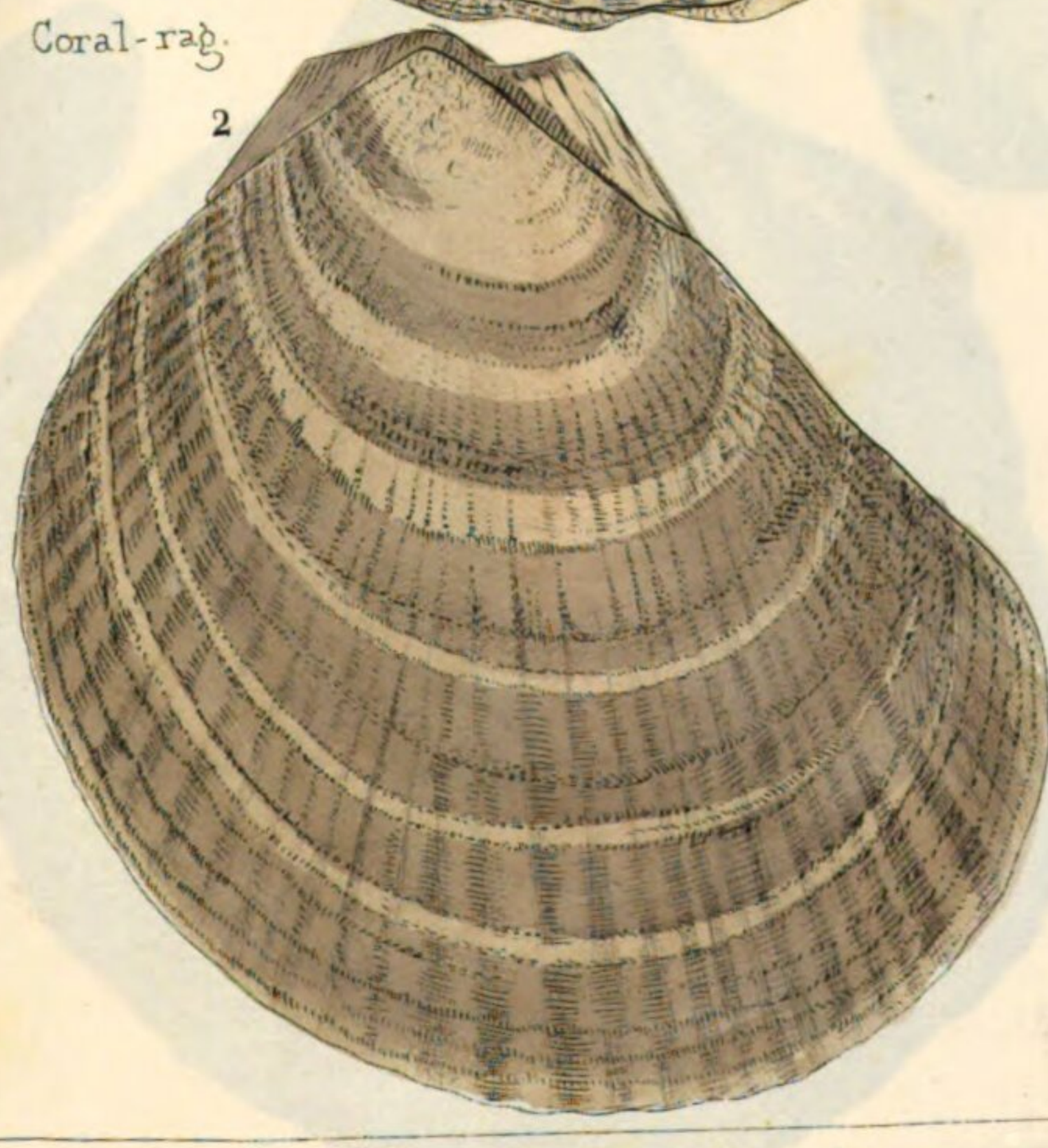
Plagiostoma rusticum Sow.

1

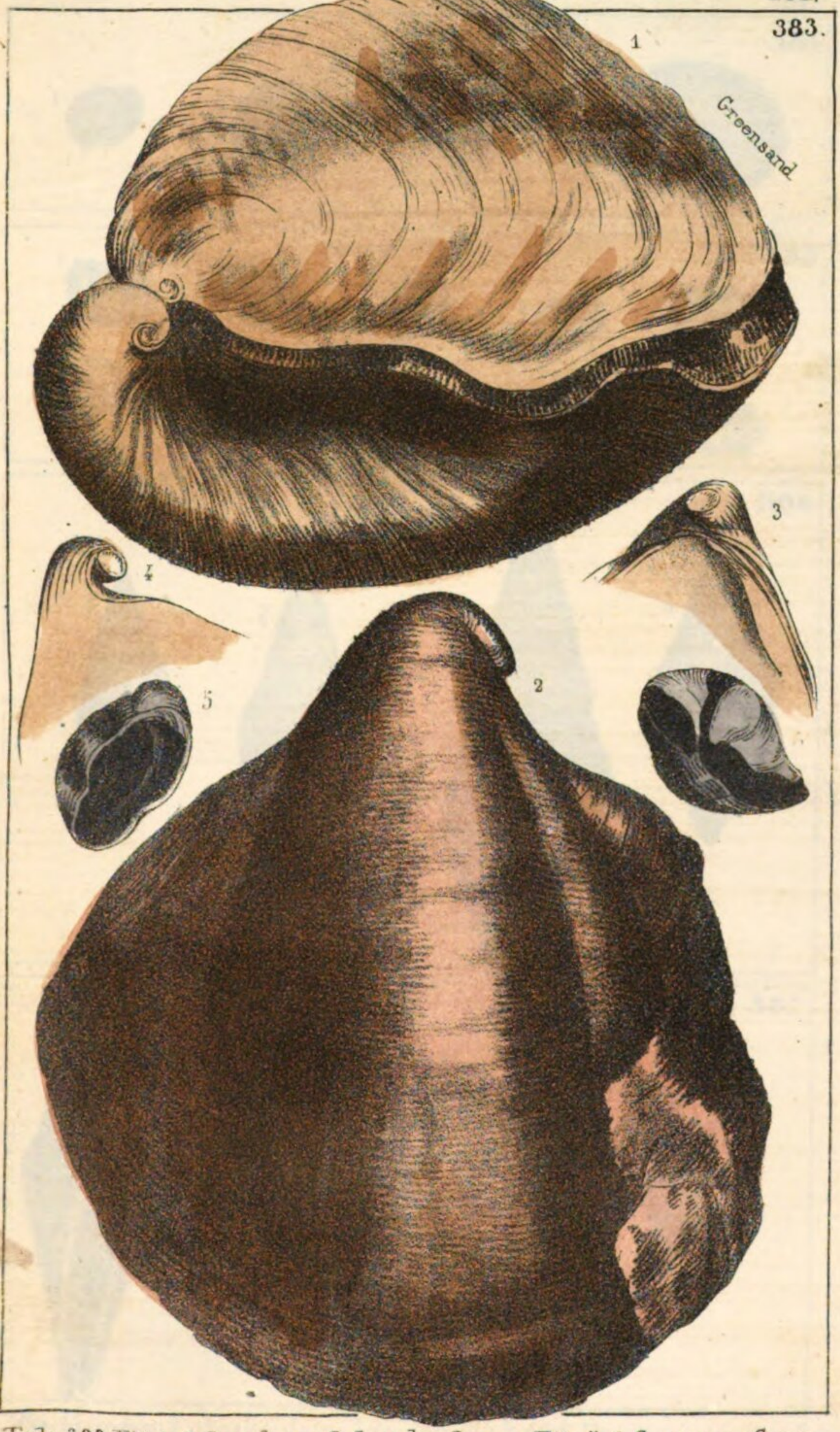


Coral-rag.

2



Plagiostoma laeviusculum Sow.



Tab. 383. Fig. 1-4 Gryphaea Columba. Lam.-Fig. 5. 6 G. nana. Sow.

F
G
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London - Clay.

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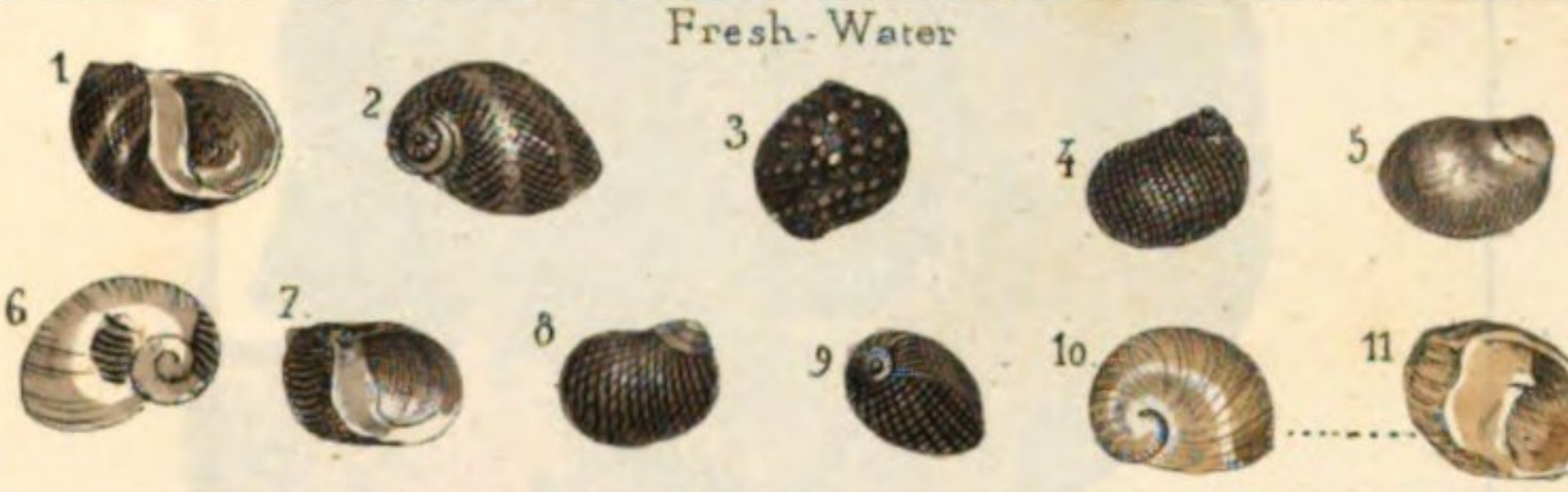
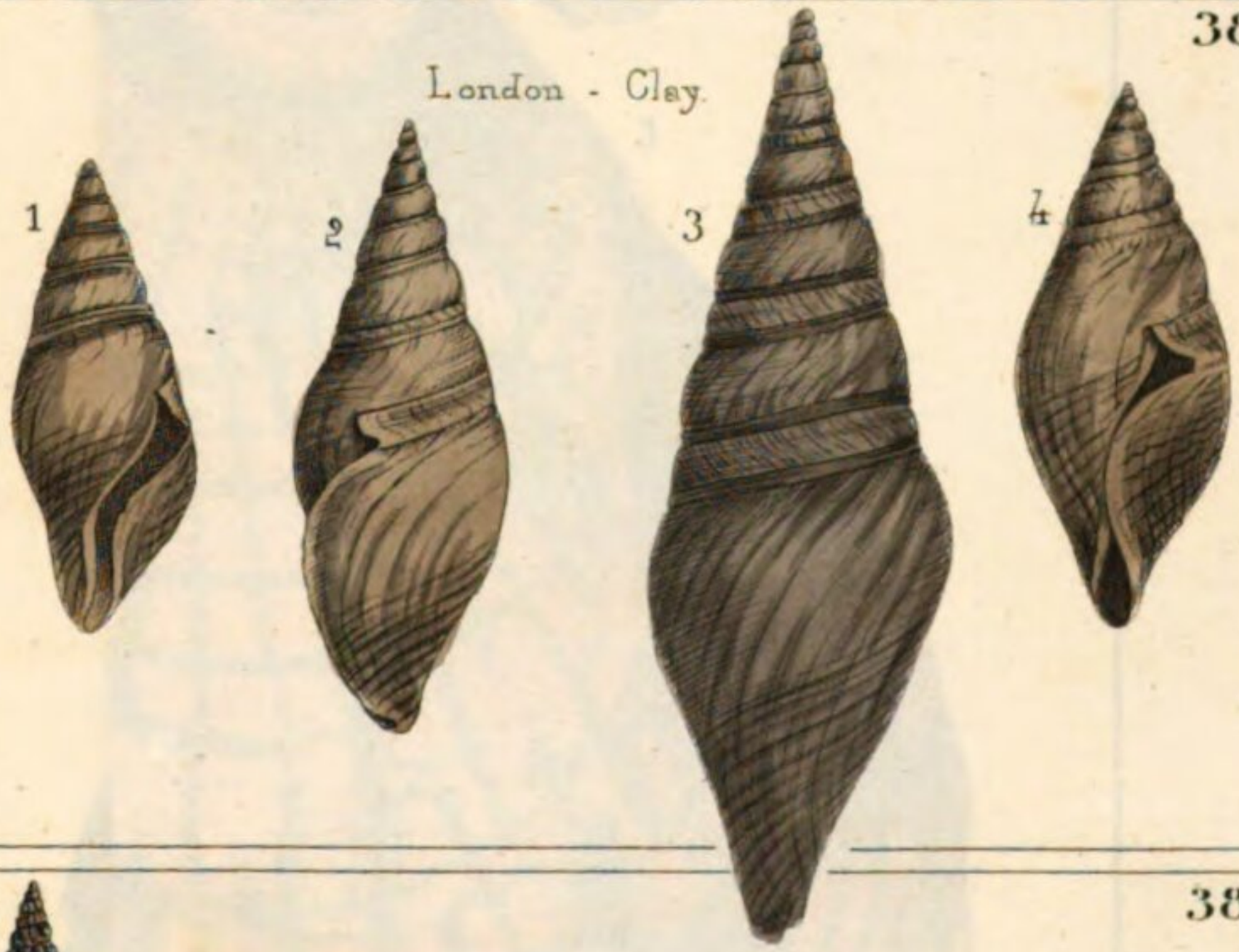
Fresh - Water



386.

London - Clay.



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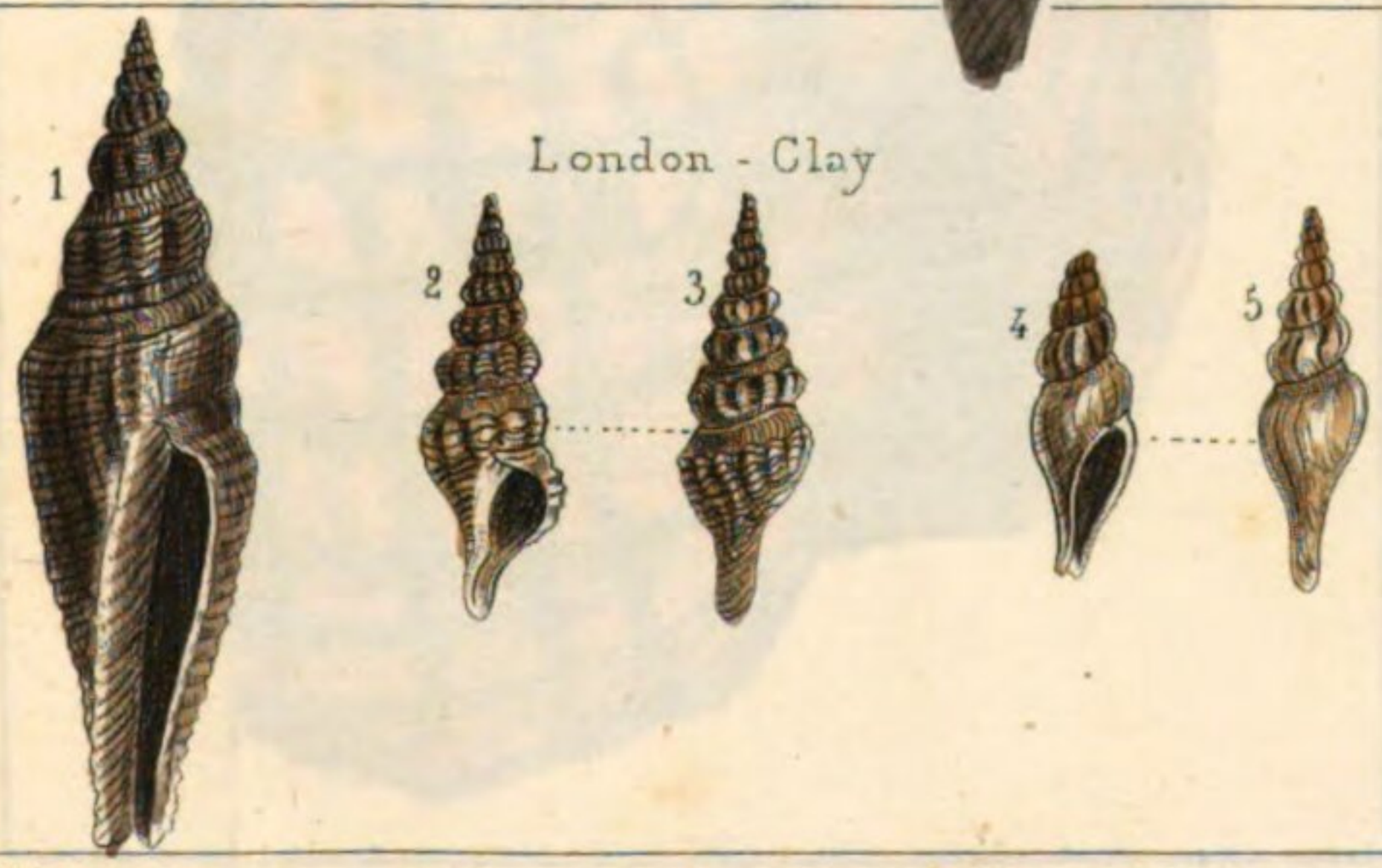
London - Clay



Tab.384. Sigaretus canaliculatus Sow. Tab.385. Fig.1-9. Neritina. concava Sow
Fig.10.11. N.uniplicata Sow. Tab.386. Pleurotoma priseum Sow.
Tab.387. Fig.1. Pleurotoma fusiforme Sow. Fig.2.3. P. brevirostrum Sow.
Fig.4.5. Plaevigatum Sow.

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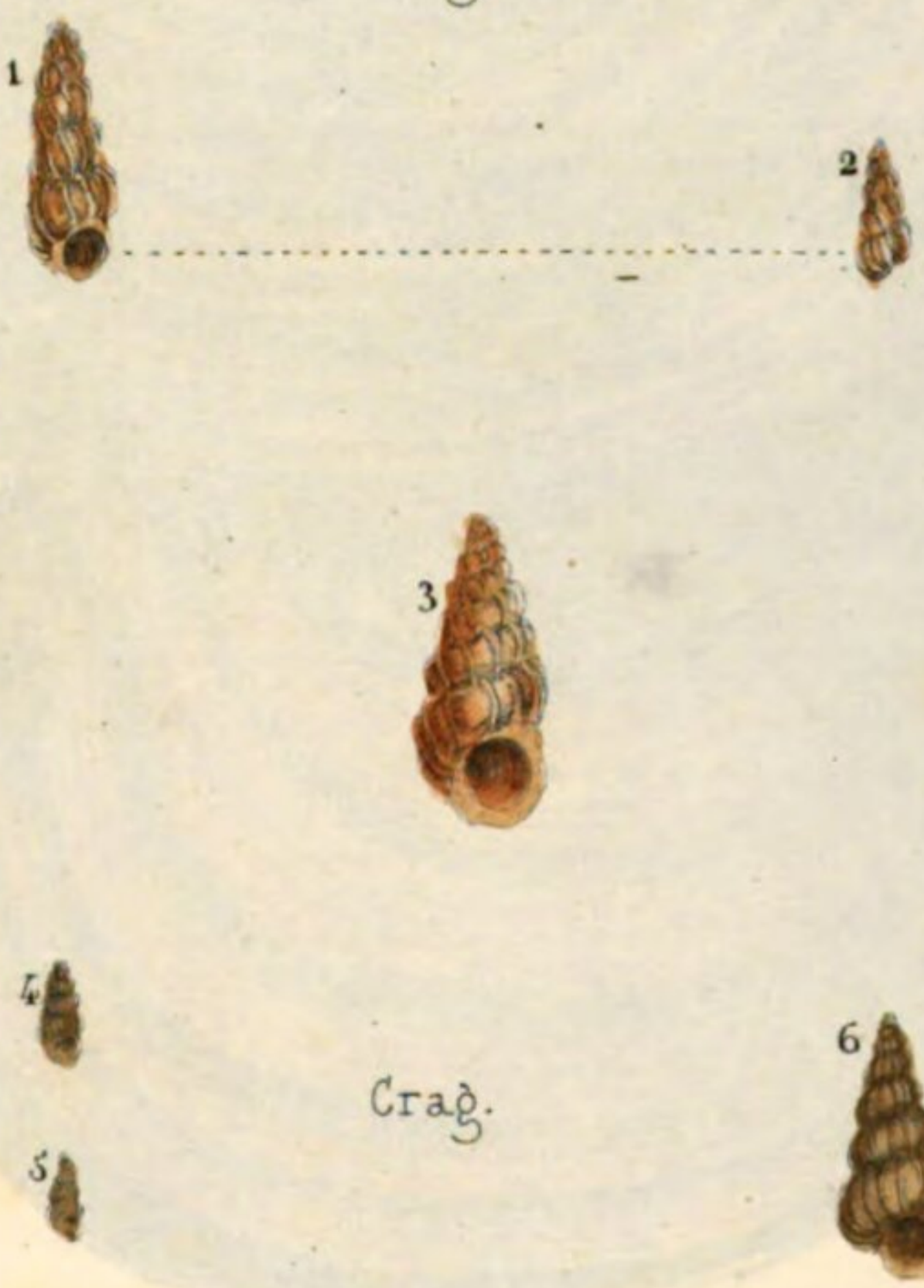
London-Clay.

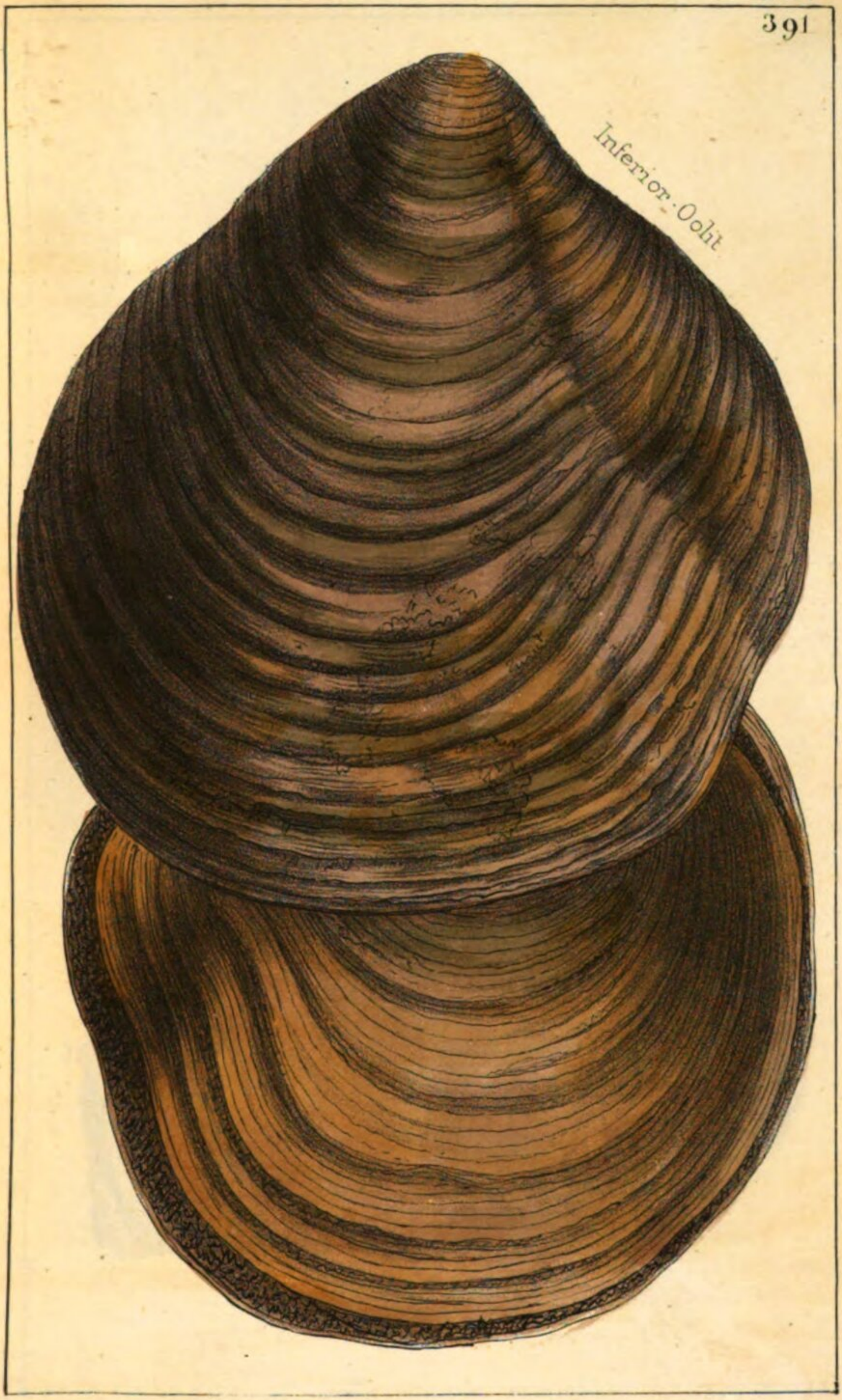
390.

Crag.



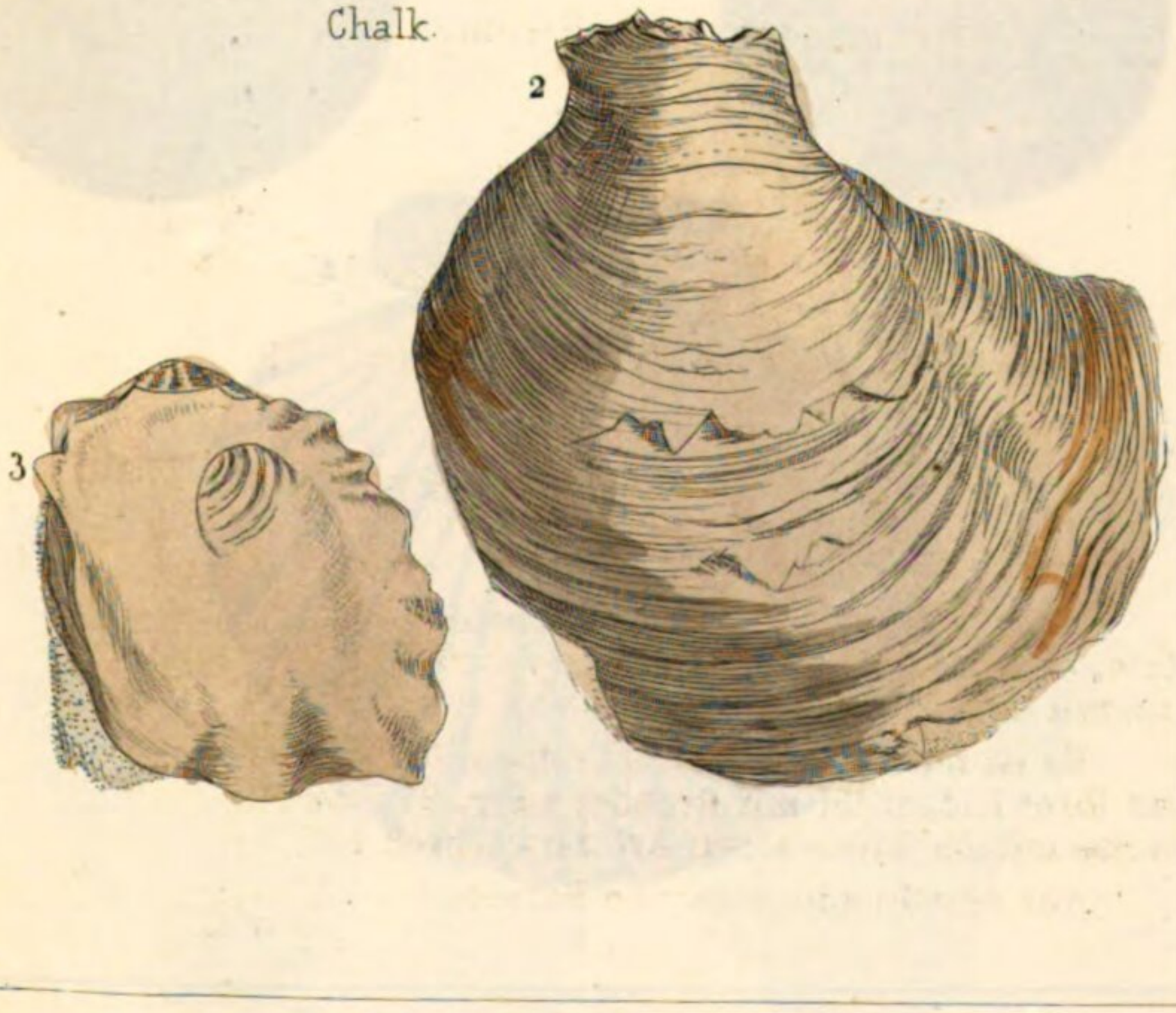
Crag.

Tab.389 Patella striata Sow.
Tab.390.Fig.1.2 Scalaria subulata Sow.-Fig.3.S. foliacea Sow.-
Fig.4.5.6. S.minuta Sow.

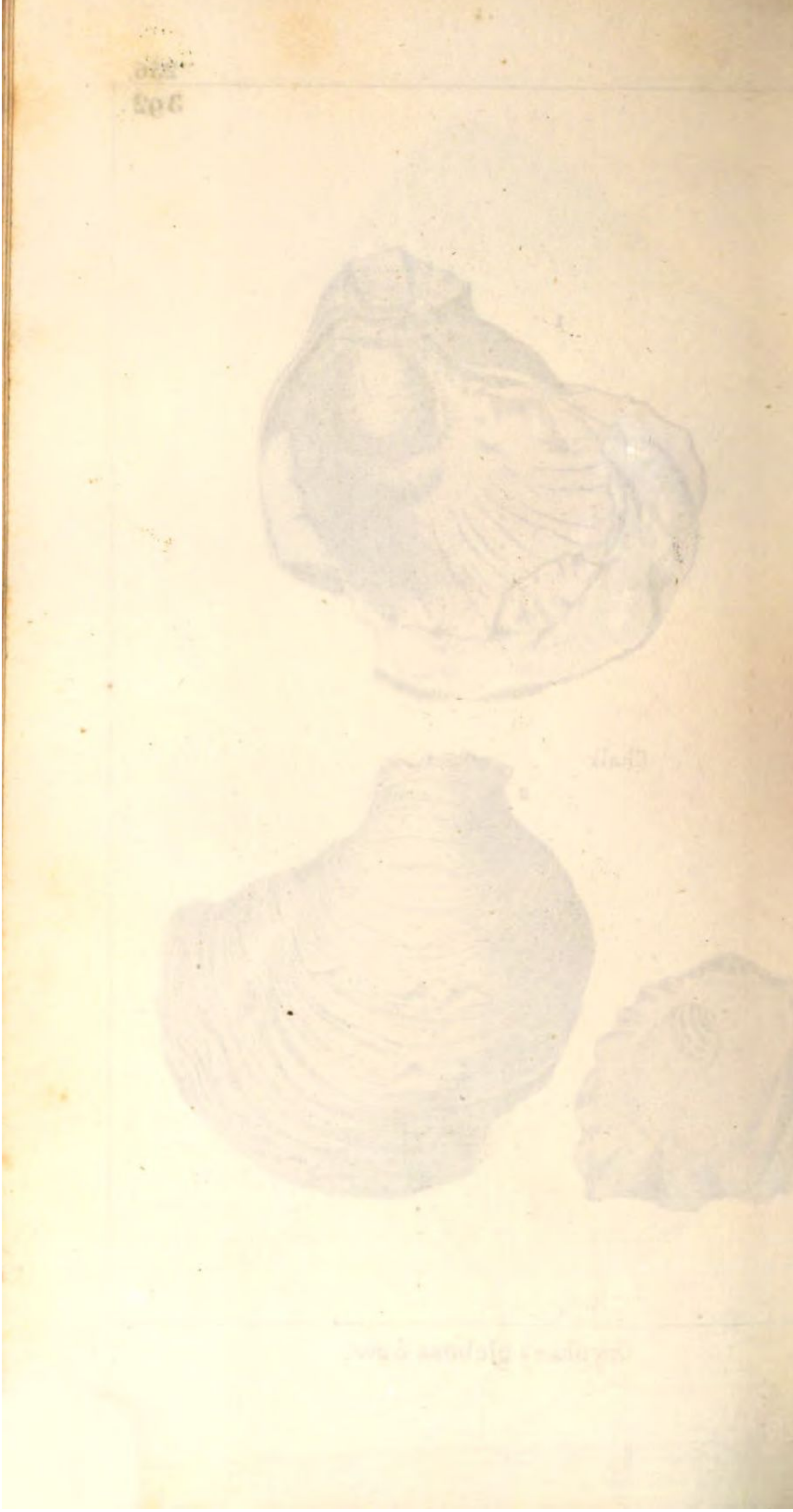


Gryphaea gigantea Sow.

Chalk.



Gryphaea globosa Sow.



Crag

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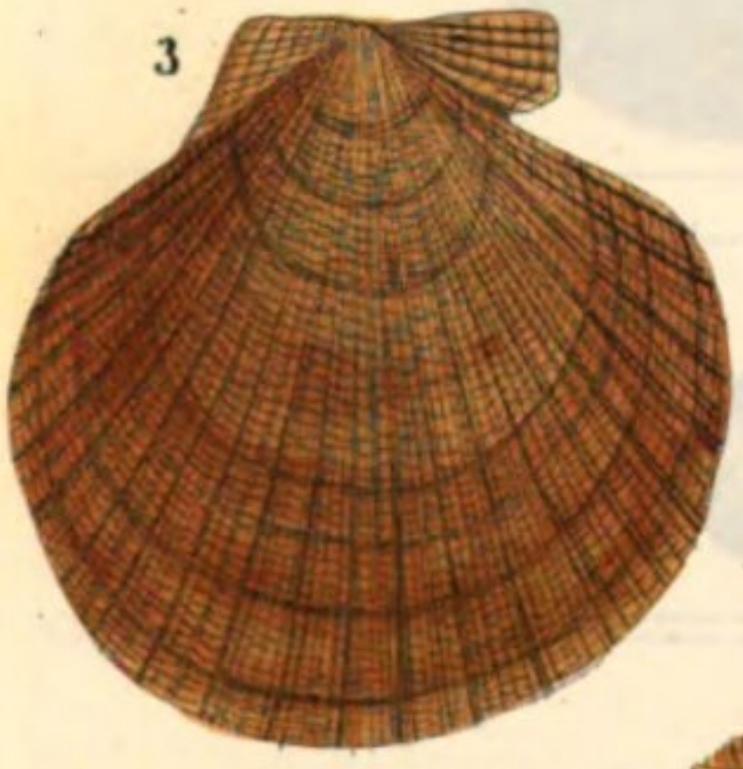

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Crag

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Fig. 1 2. Pecten sulcatus Sow.
Fig. 3. 4. Pecten gracilis Sow.

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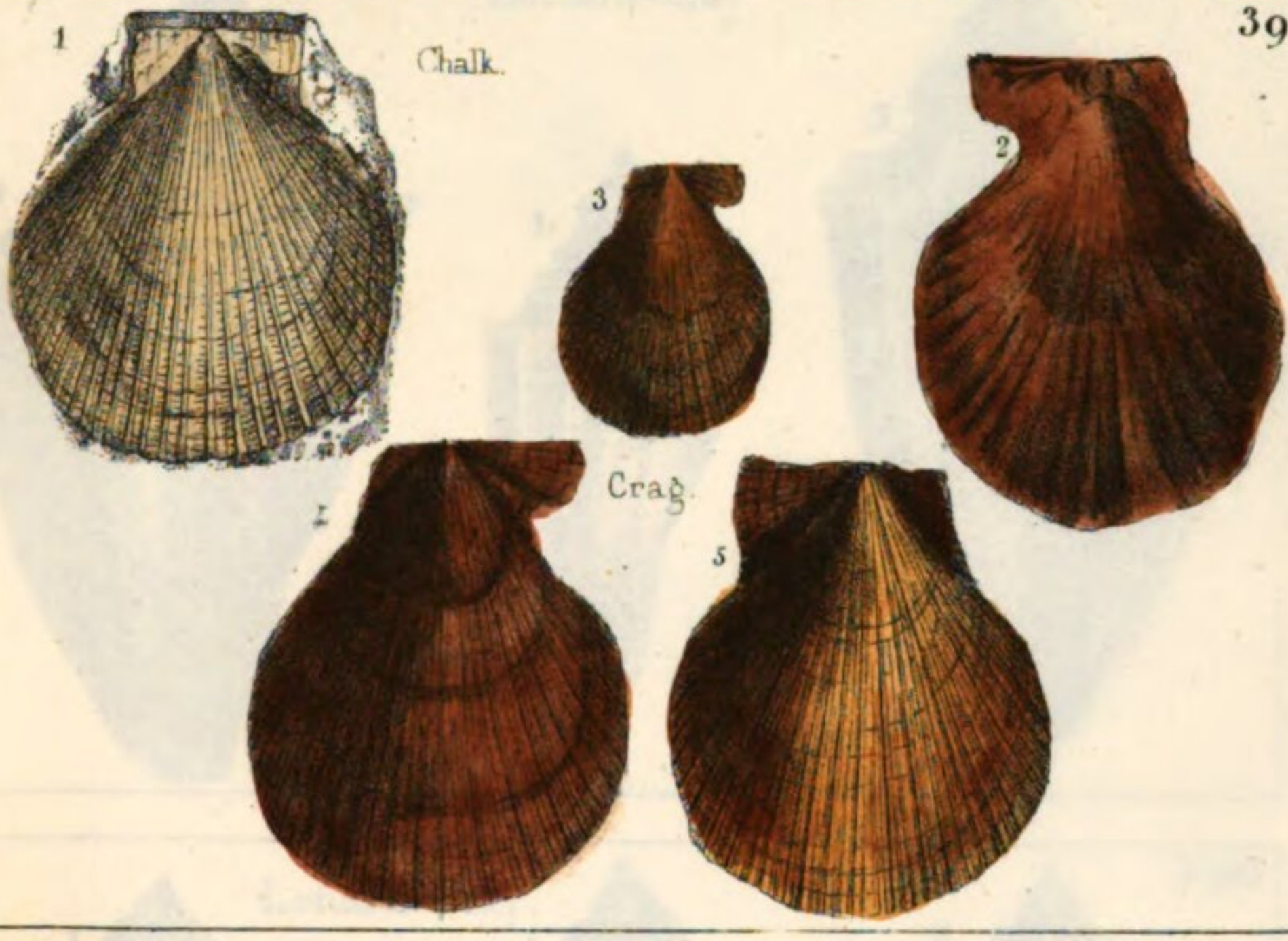

395.

396.

Tab. 394. Fig. 1 Pecten nitidus Mant. - Fig. 2.3.4.5 P. striatus Sow.
Tab. 395 Fig. 1.2. Turbo moniliferus Sow. - Fig. 3.4. T. sculptus Sow.
Tab. 396. Fig. 1.2.3. Voluta Athleta Sow. - Fig. 4. Vol. depauperata Sow.

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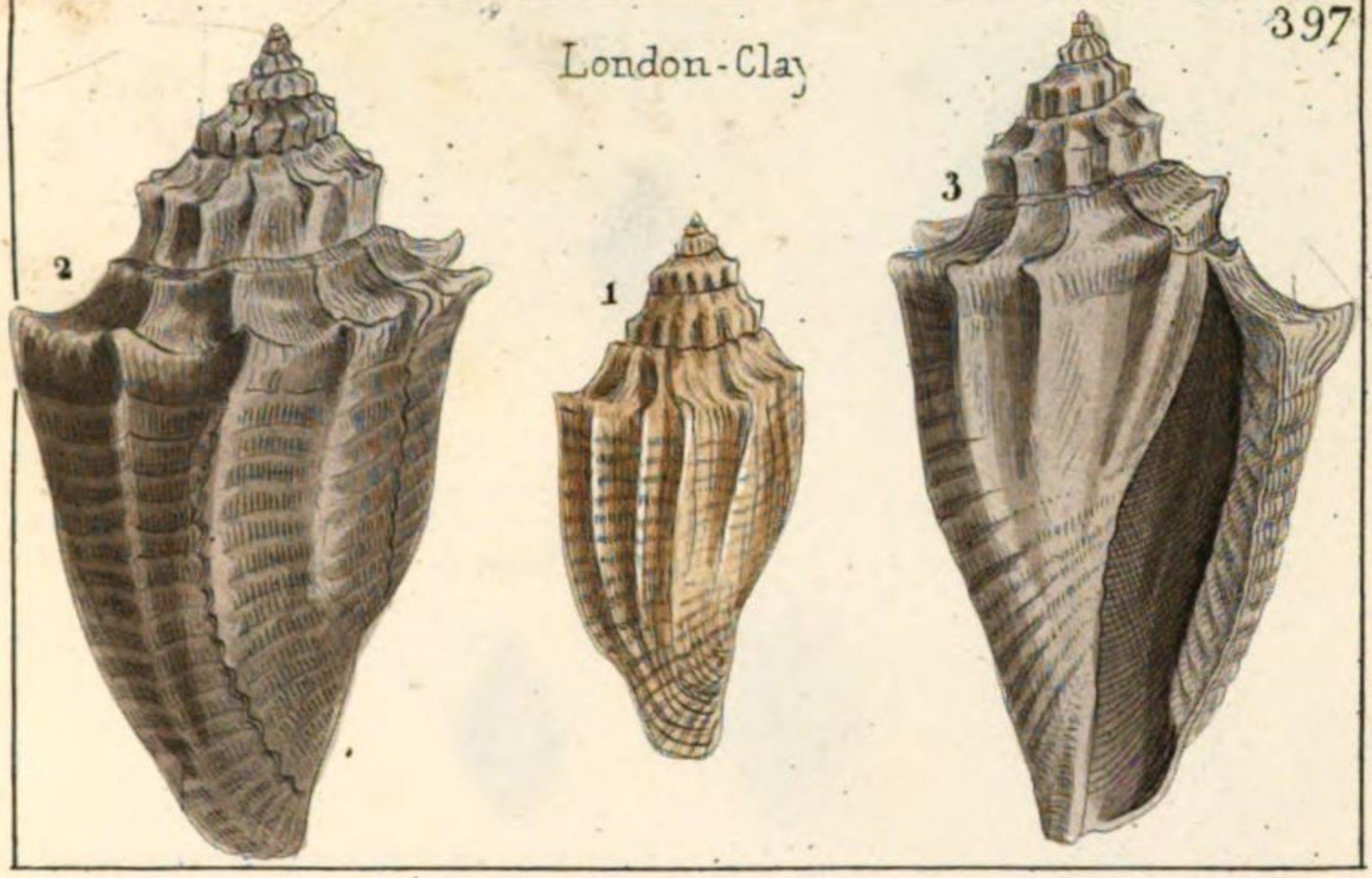
London-Clay



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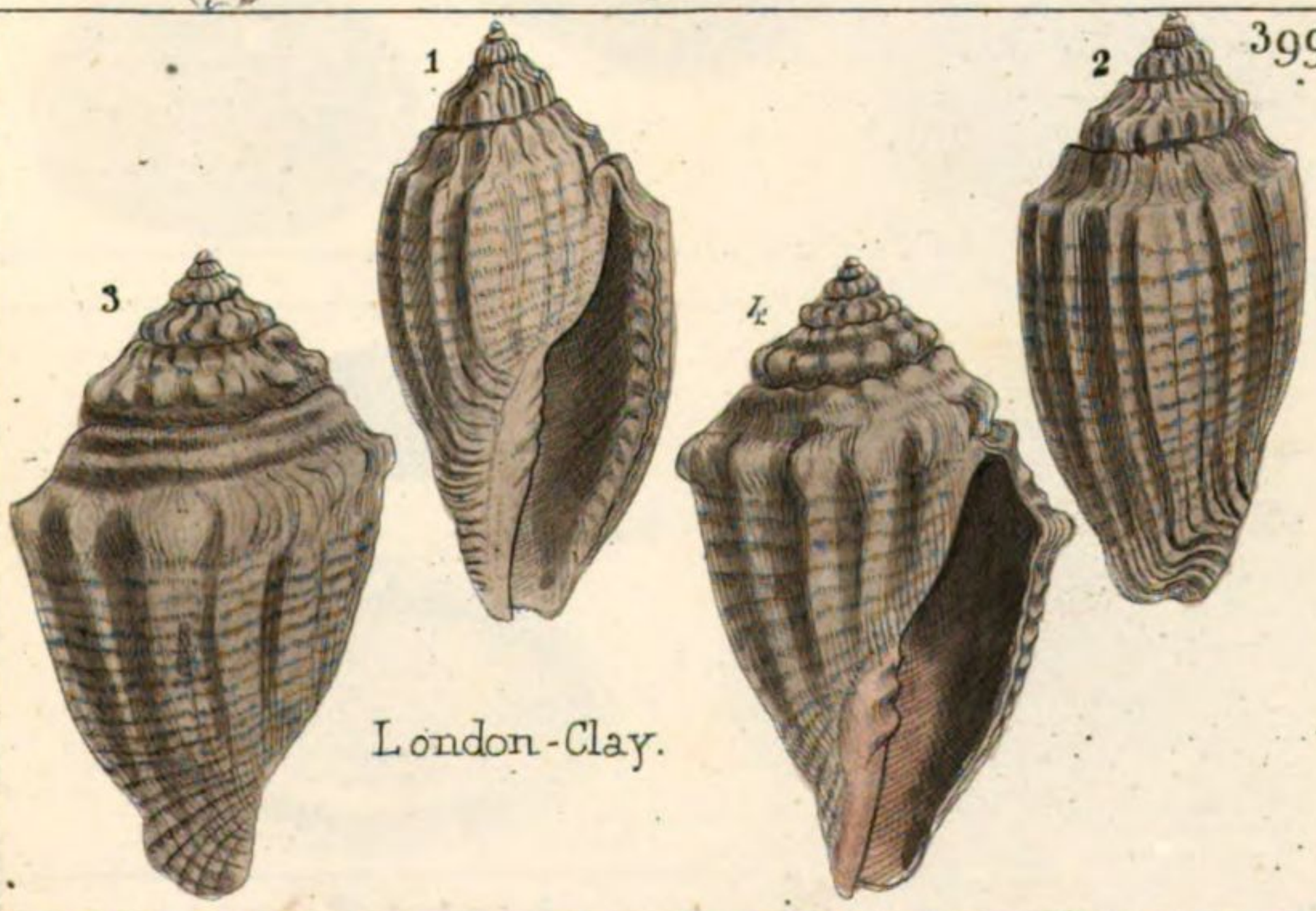
London-Clay.

399



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Tab. 397. Voluta Luctator Sow

Tab 398. Fig. 1. Voluta geminata Sow.- Fig. 2. 3. V. Lima. Sow.

Tab. 399. Fig. 1. 2 Voluta ambigua. Sow.- Fig. 3. 4. V. nodosa. Sow.

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London-Clay.

London-Clay. 401

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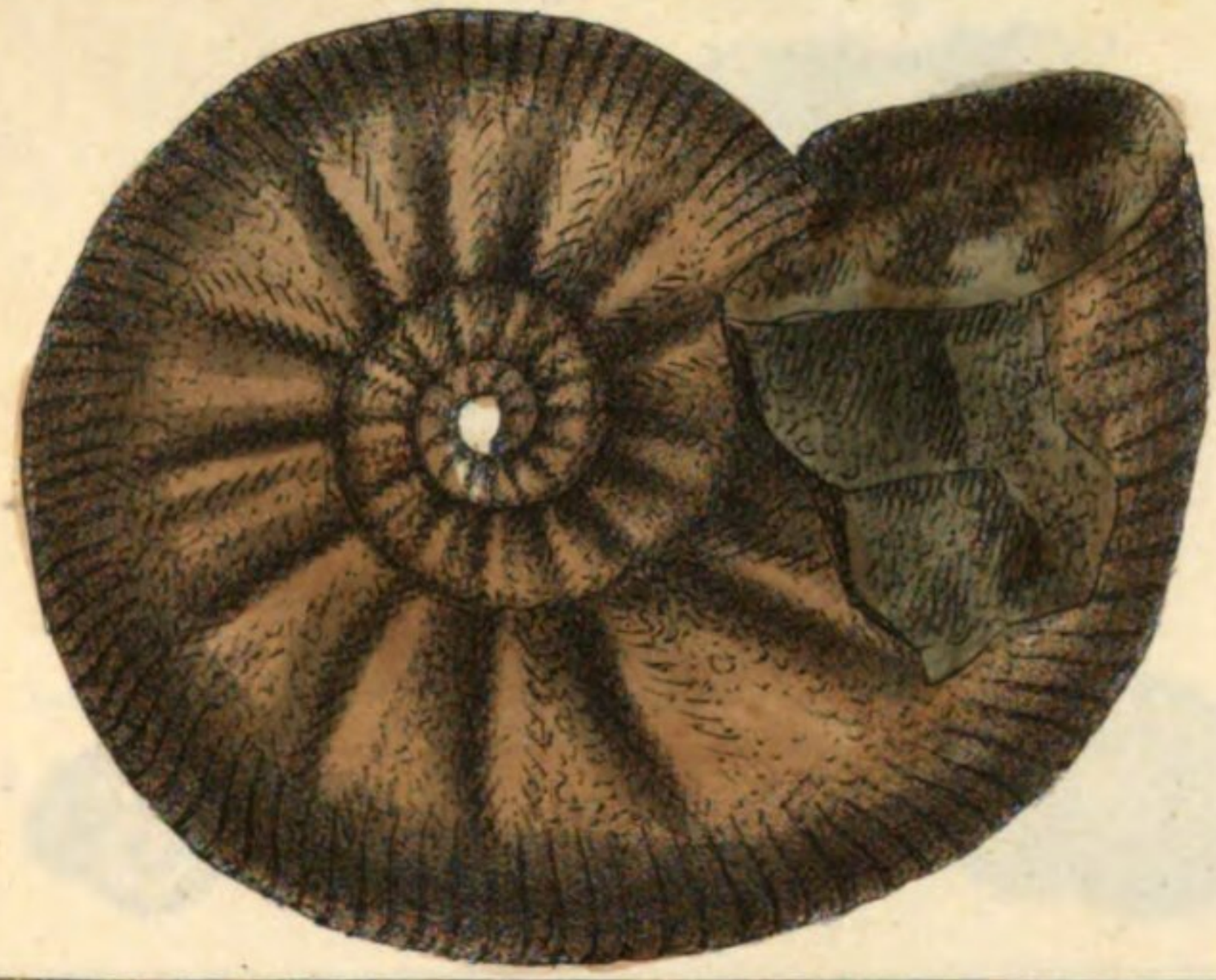
Tab. 400 Fusus errans. Sow.
Tab. 401 Mitra scabra. Sow.
Tab. 402 Fig. 1.2 Tellina Branderi. Sow: Fig. 3.4.5. T. filosa. Sow.
Tab. 403 Tellina ambigua Sow.

404.



405.

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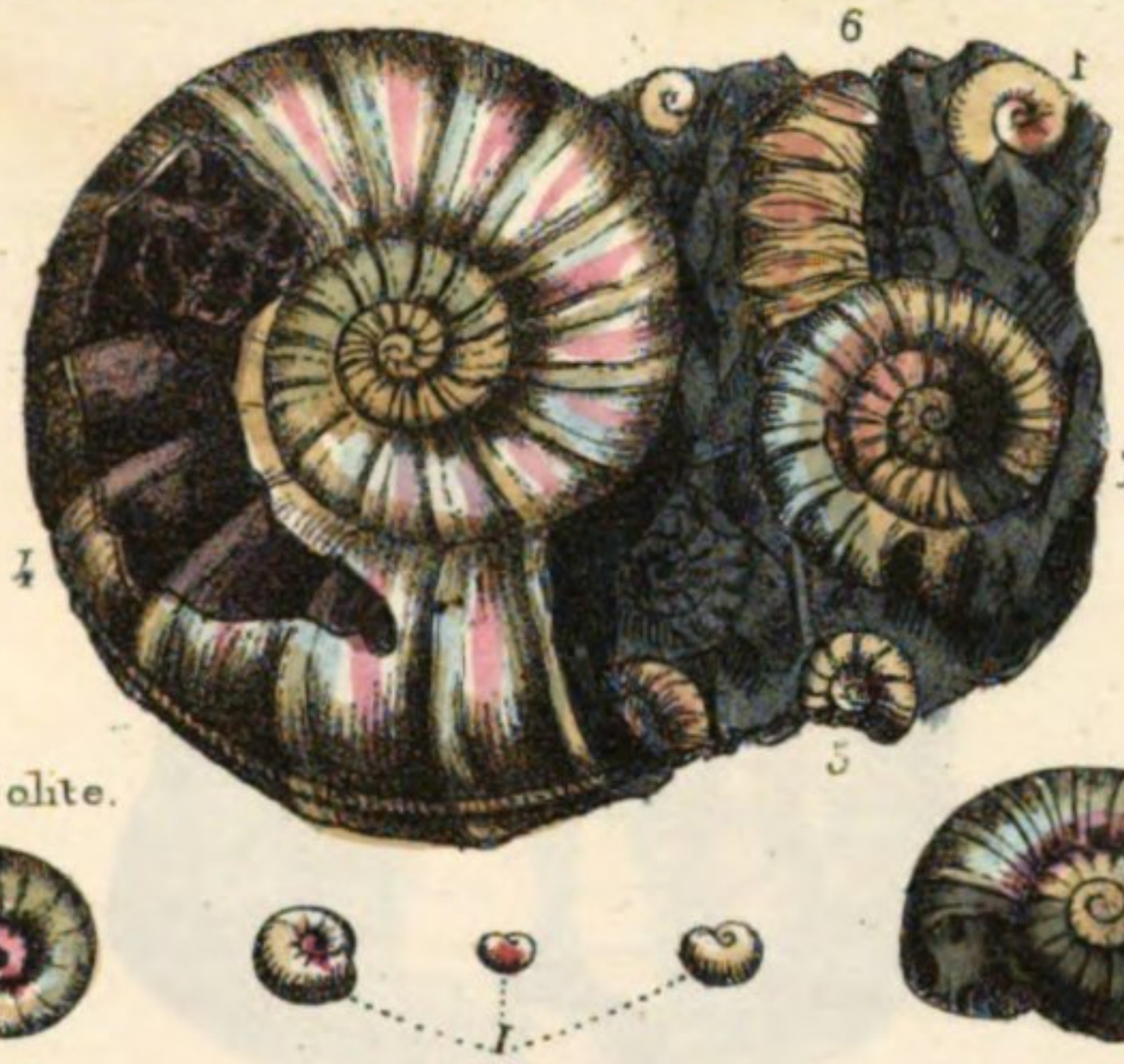
Oxford-Clay.

Tab. 404. Ammonites plicomphalus Sow.
Tab. 405 Ammonites mutabilis Sow.

406.



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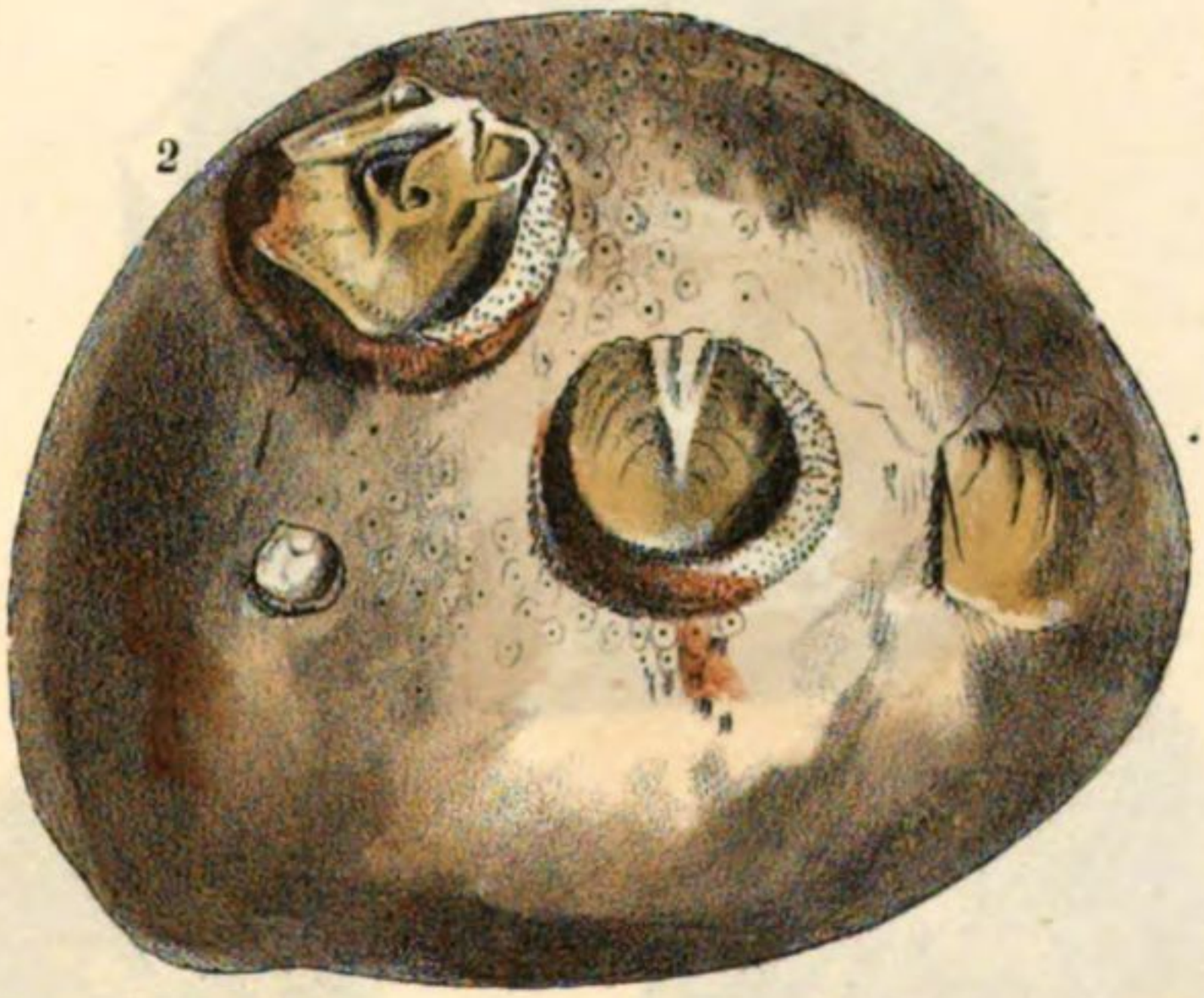
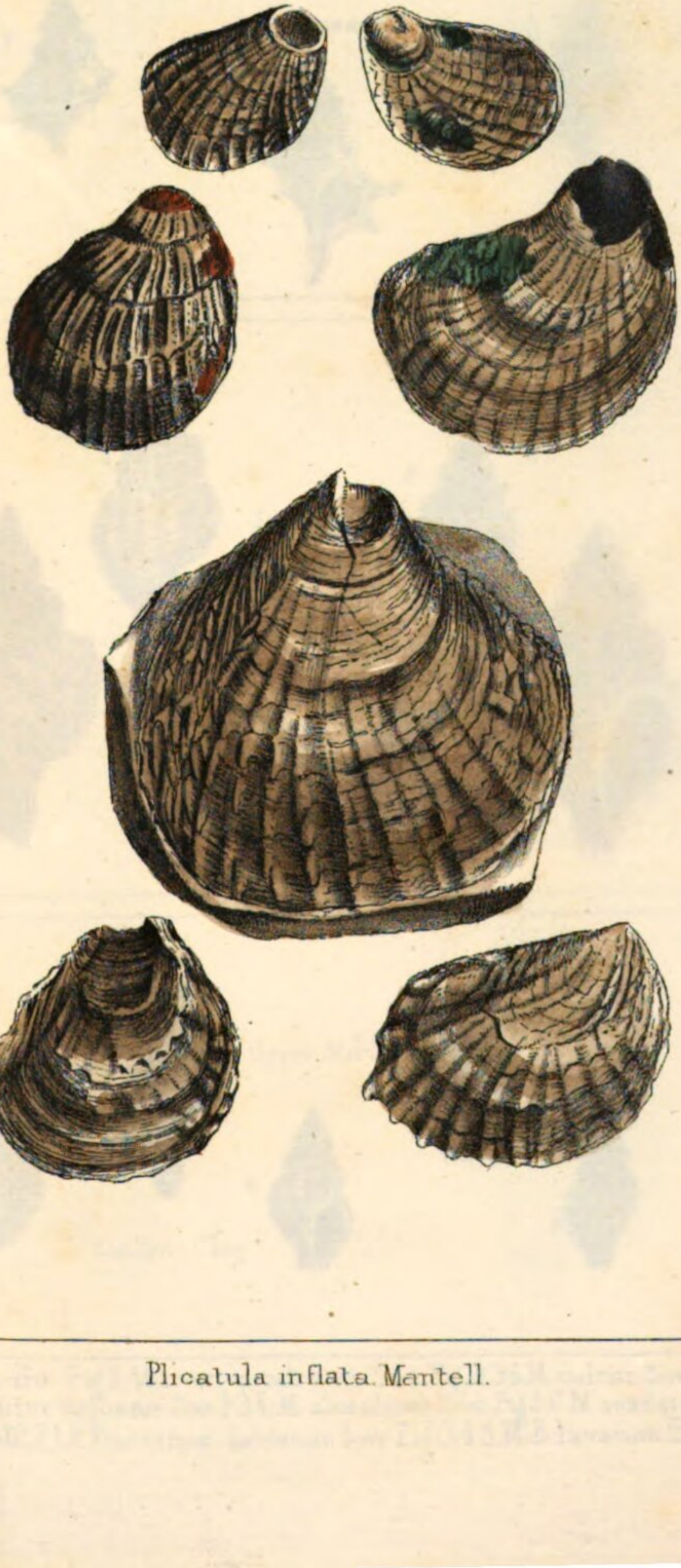
Tab. 406 Fig. 1. 2. 3. 4. Ammonites Smithii Sow.-
Fig. 5. 6. 7. Am. planicostatus Sow.
Tab. 407 Fig. 1. 2 Ammonites. subarmatus Young Bird Fig 3. 4 A. fibulatus Sow.

Chalk.



Crania Parisiensis Defr.

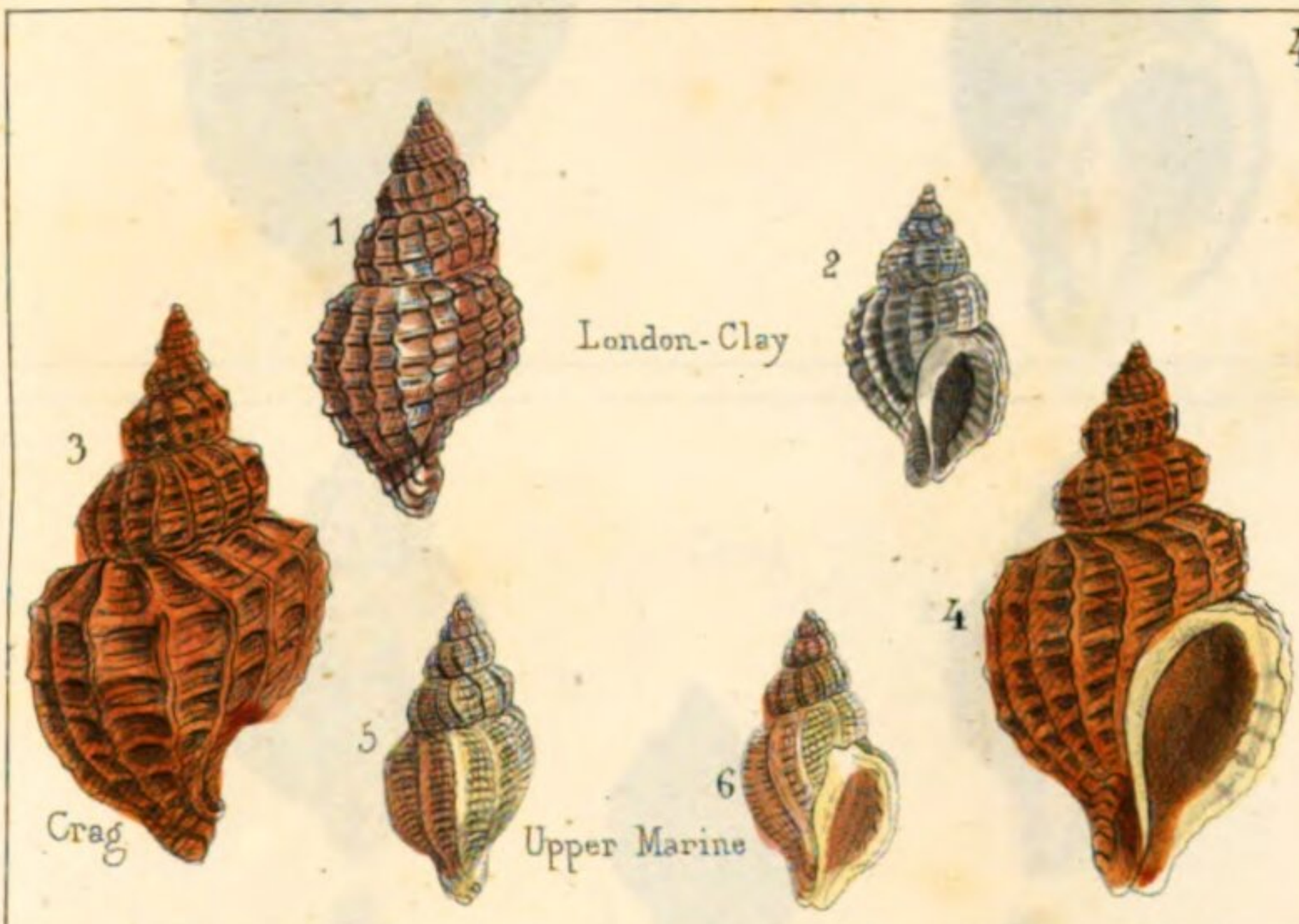
Chalk-marl.



Plicatula inflata. Mantell.

410

411



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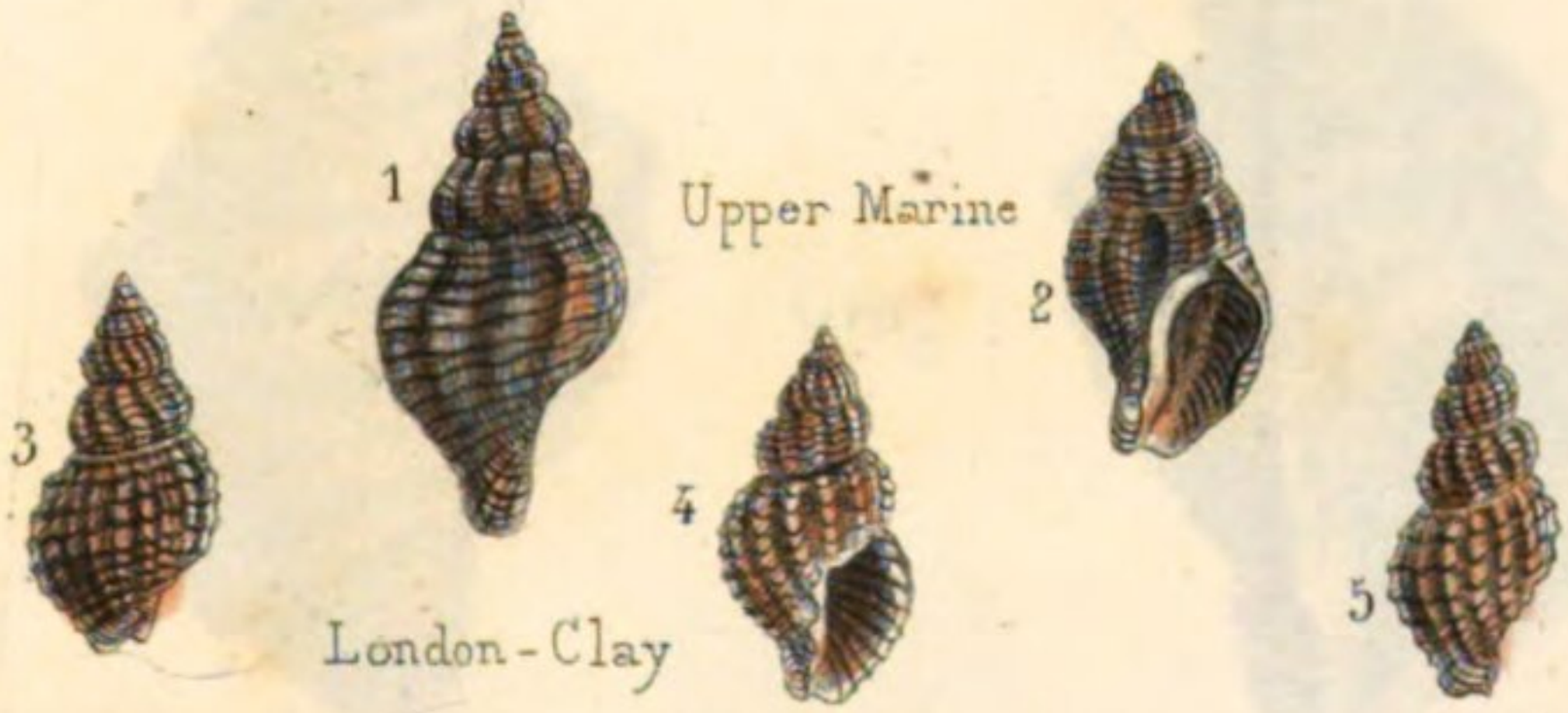
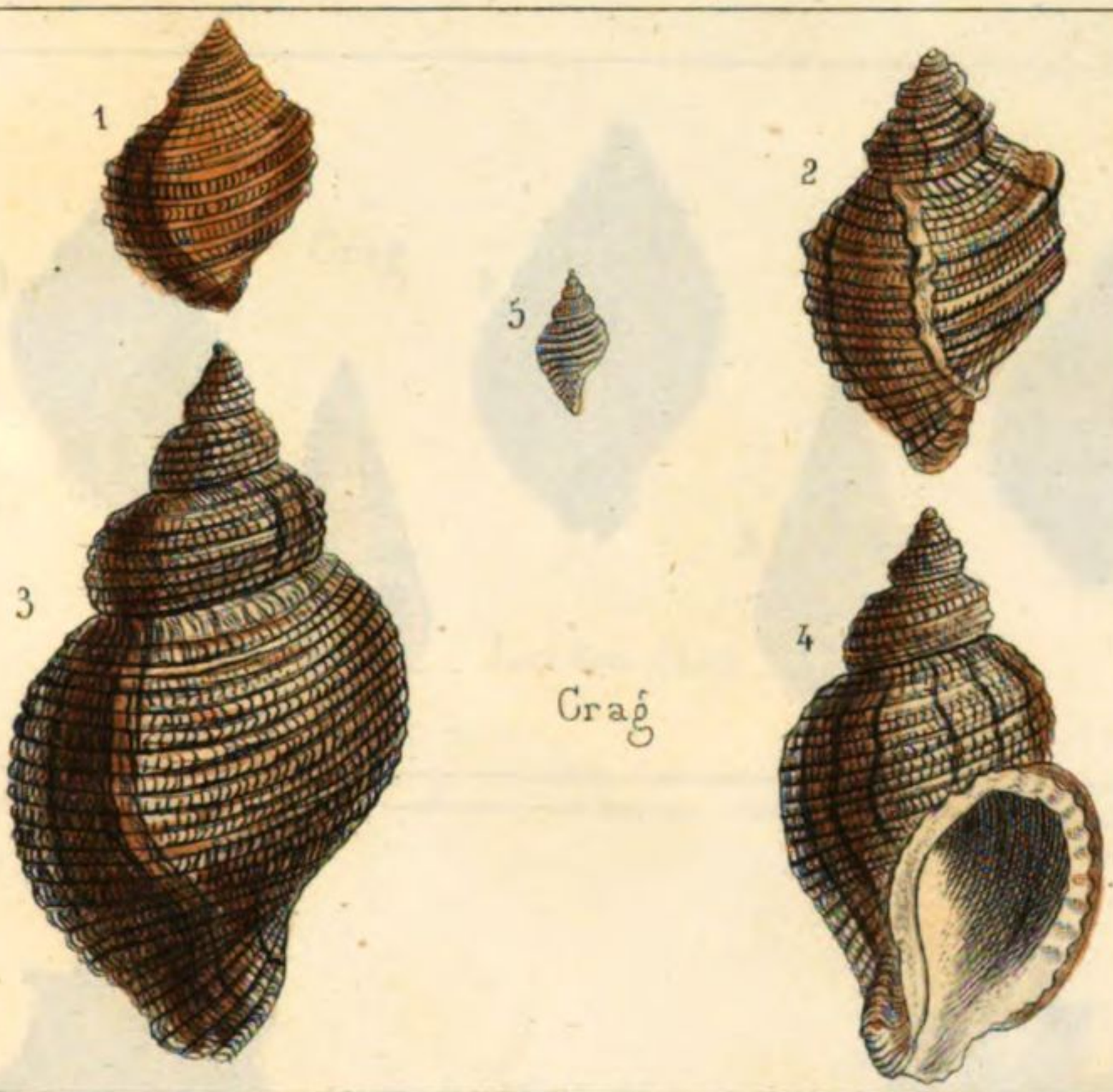


Tab.410. Fig.1. Murex quadratus Sow. Fig.2.3.4 M. calcar Sow.
Tab.411. Murex defossus Sow. F.3.4. M. alveolatus Sow. Fig.5.6 M. sexdentatus Sow
Tab.412. F.1.2 Buccinun labiatum Sow. Fig.3.4.5. M. B. lavatum Brand

413



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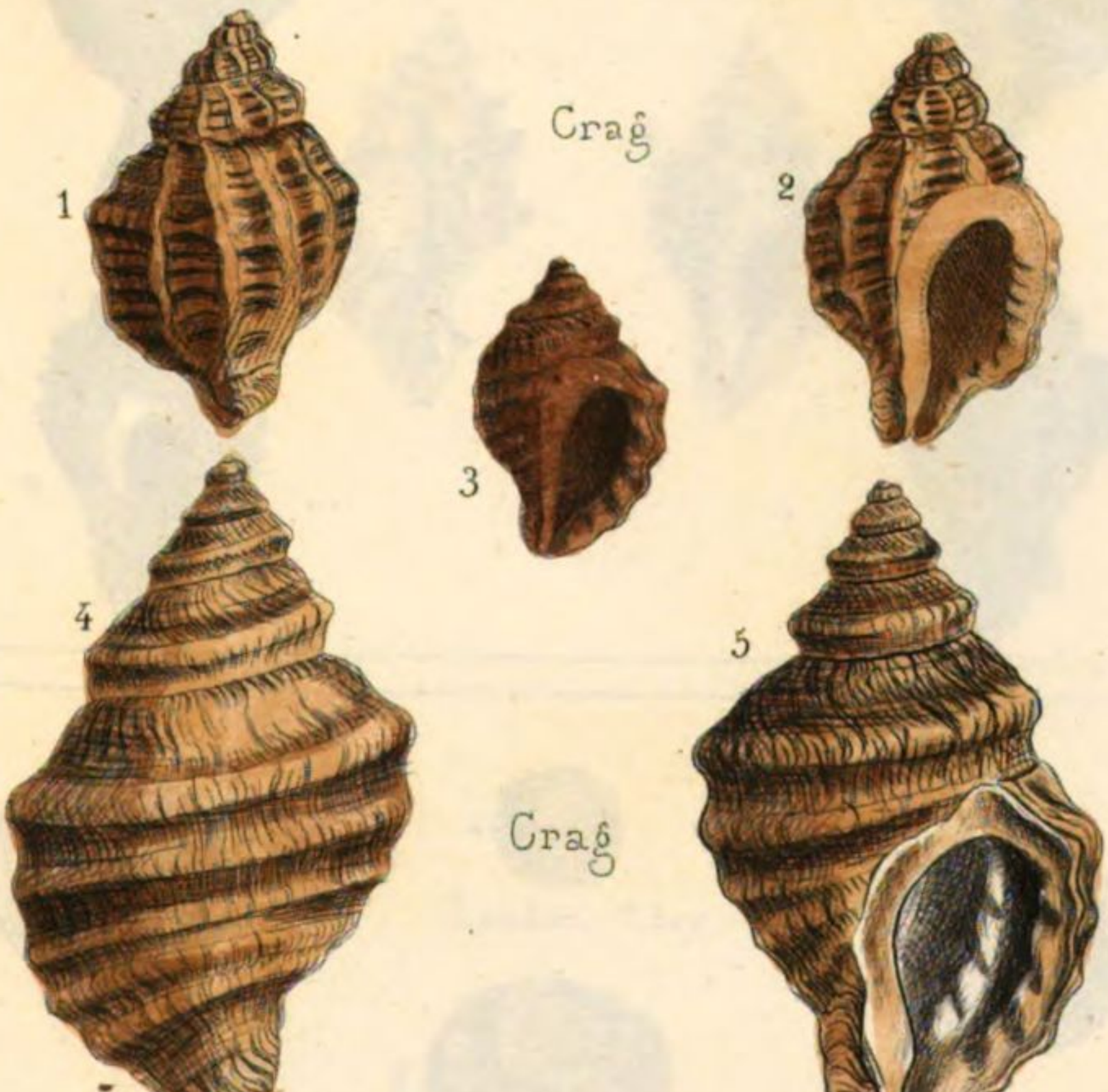

Tab. 413. Buccinum crispatum Sow. Tab. 414. Fig. 1. & Buccinum tetragonum Sow.
Fig. 3.4.5. B. incrassatum Sow.

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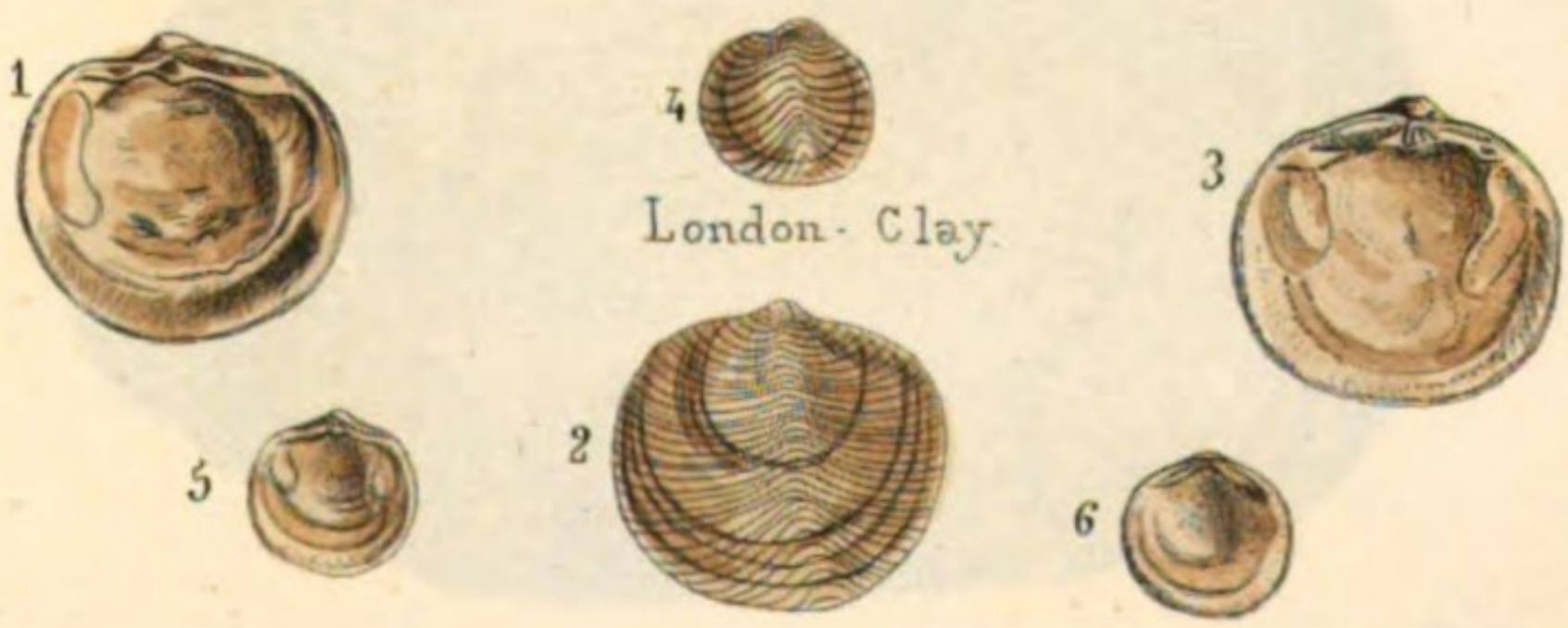

Tab. 415. Fig. 1. 2. 3. Buccinum desertum Brand. Fig. 4. 5. B. canaliculatum Sow.
Tab. 416. Fig. 1. 2. Murex tricarinatus Lam. Fig. 3. 4. M. bispsinosus Sow.
Fig. 5. 6. M. frondosus Lam. Tab. 417. Lucina divaricata Lam.

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418.

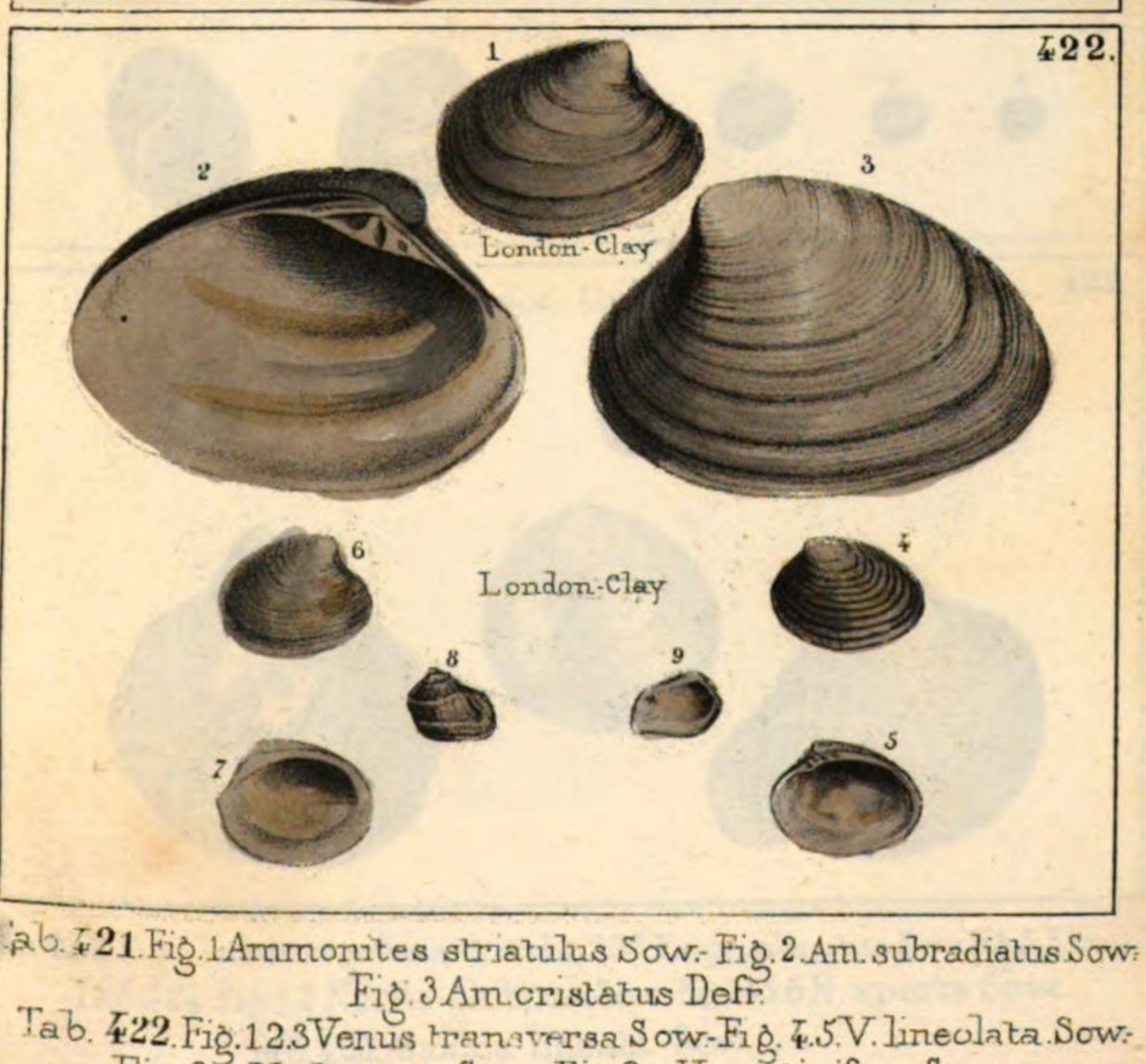
419.

Tab. 418. Mya depressa Sow.
Tab. 419. Fig. 1. Mya gibbosa Sow: Fig. 2. Mya intermedia Sow:
Fig. 3. Mya plicata Sow.

Pisolit.

421.

422.



Tab. 421. Fig. 1 Ammonites striatulus Sow. - Fig. 2 Am. subradiatus Sow. Fig. 3 Am. cristatus Defr.

Tab. 422. Fig. 1 2 3 Venus transversa Sow. - Fig. 4. 5. V. lineolata. Sow. - Fig. 6. 7. V. elegans Sow. - Fig. 8. 9. V. pectinifera Sow.

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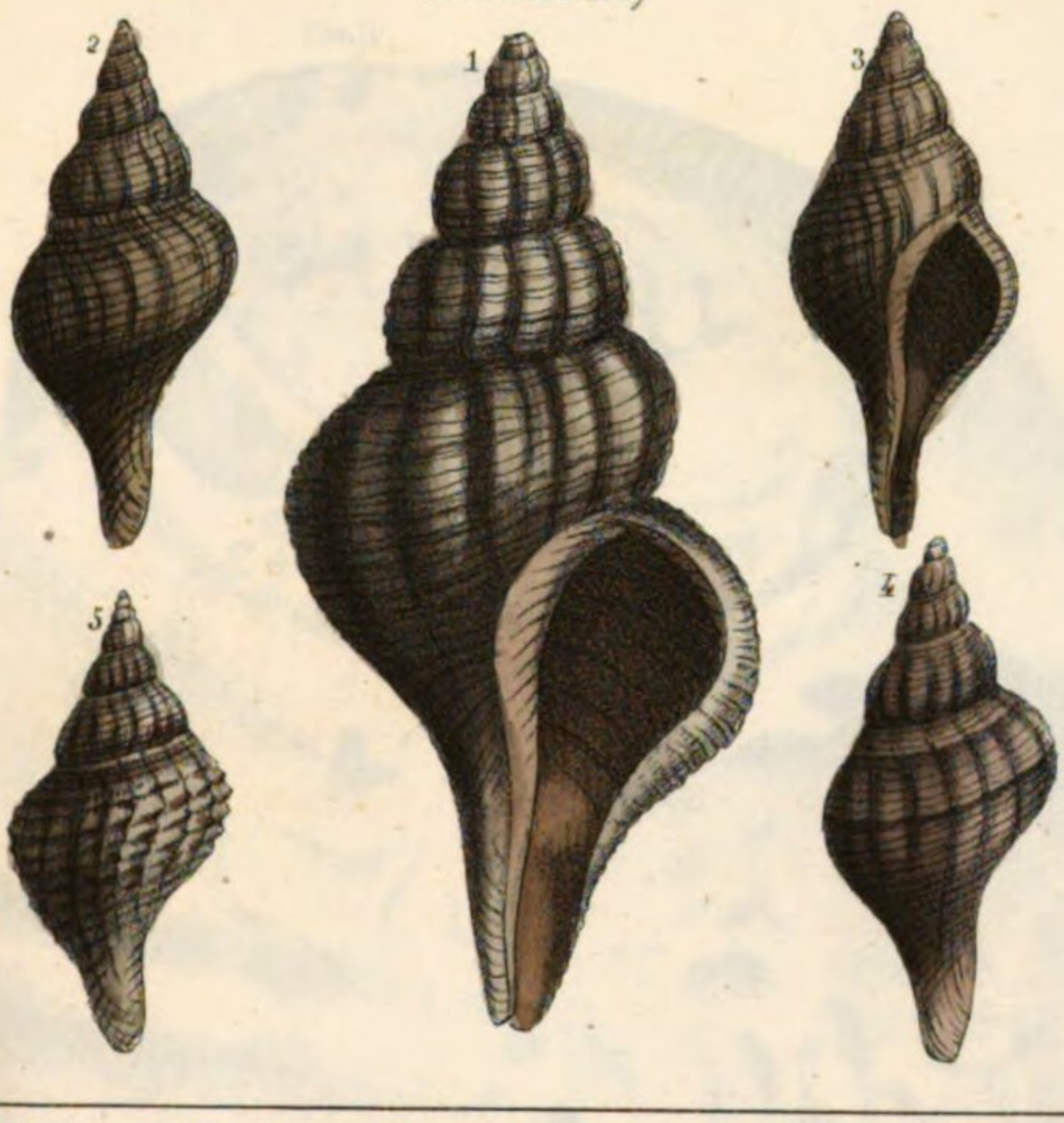
423.



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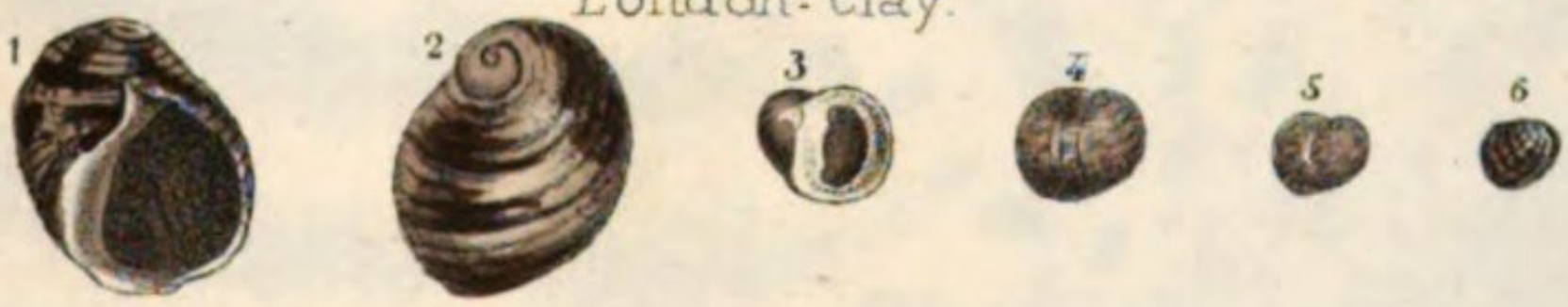
424.



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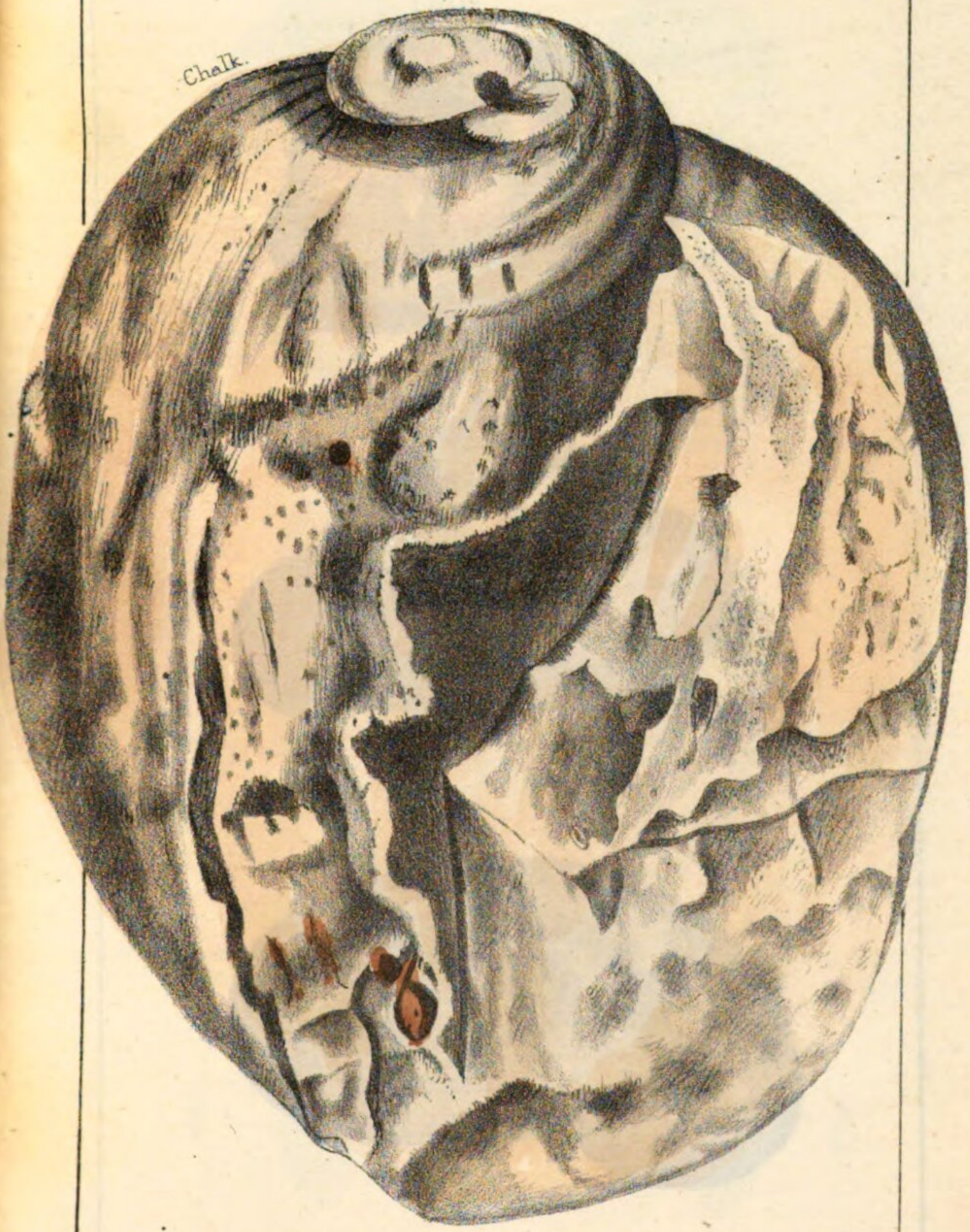
425.

Tab. 423 Fig. 1. Fusus regularis Sow. Fig. 2. 3. 4 F. complanatus Sow. Fig. 5. F. Lima Sow.
Tab. 424. Fig. 1. 2 Nerita globosa Sow. Fig. 3. 4. 5. 6 N. aperta Sow.
Tab. 425. Anomia lineata Sow.

Chalk.

Dolium nodosum Sow.

427.



Dolium nodosum. Sow.

Chalk.

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Chalk.

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Fig. 1. 2 Cirrus perspectivus Mant. - Fig. 3 C. depressus Mant.

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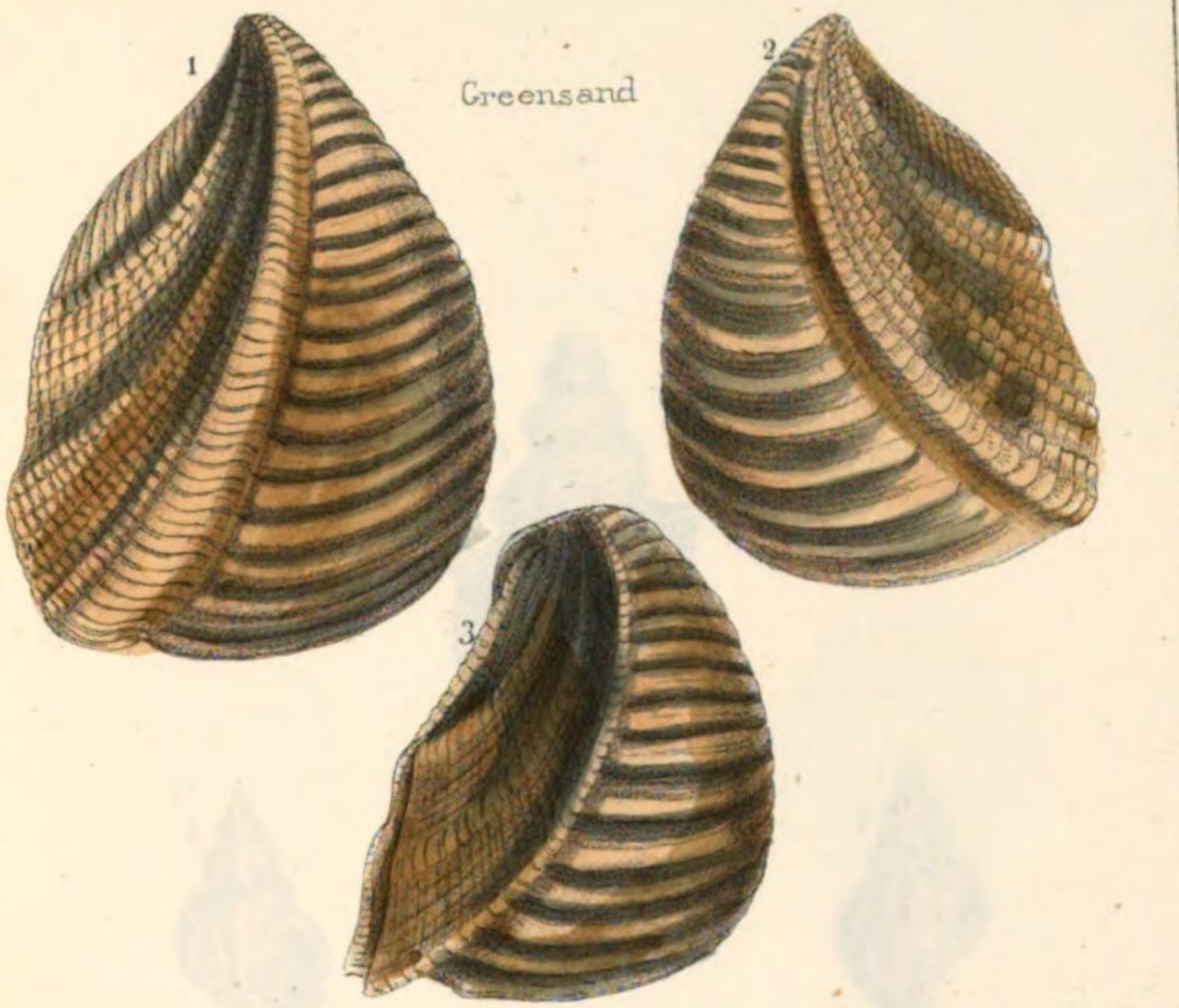
Tab. 429. Fig. 1. 2 Cirrus rotundatus Sow. Fig. 3. 4. C. carinatus. Sow.
Tab. 430. Fig. 1. 2. 3 Mitra parva Sow. - Fig. 4. 5. 6 M. pumila Sow.

431.



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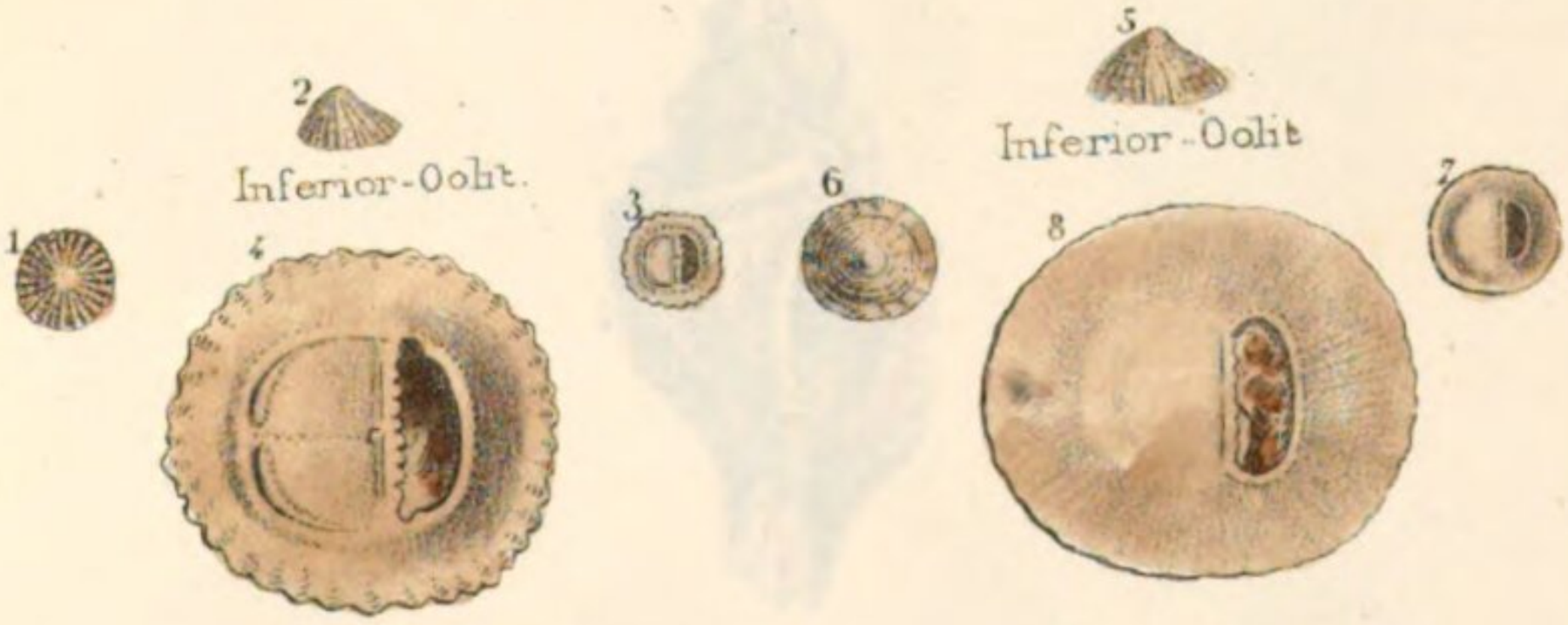


433.

Tab. 431. Trigonia elongata Sow.
Tab. 432 Fig. 1-4 Pilcolus plicatus Sow. Fig. 5-8 P. laevis Sow.
Tab. 433. Fig. 1. 2. Turbo conicus Sow. - Fig. 3. 4. T. rotundatus Sow.

Crag.

Fig. 1. 2 Murex Peruvianus Sow.-Fig. 3. 4. M. tortuosus Sow.

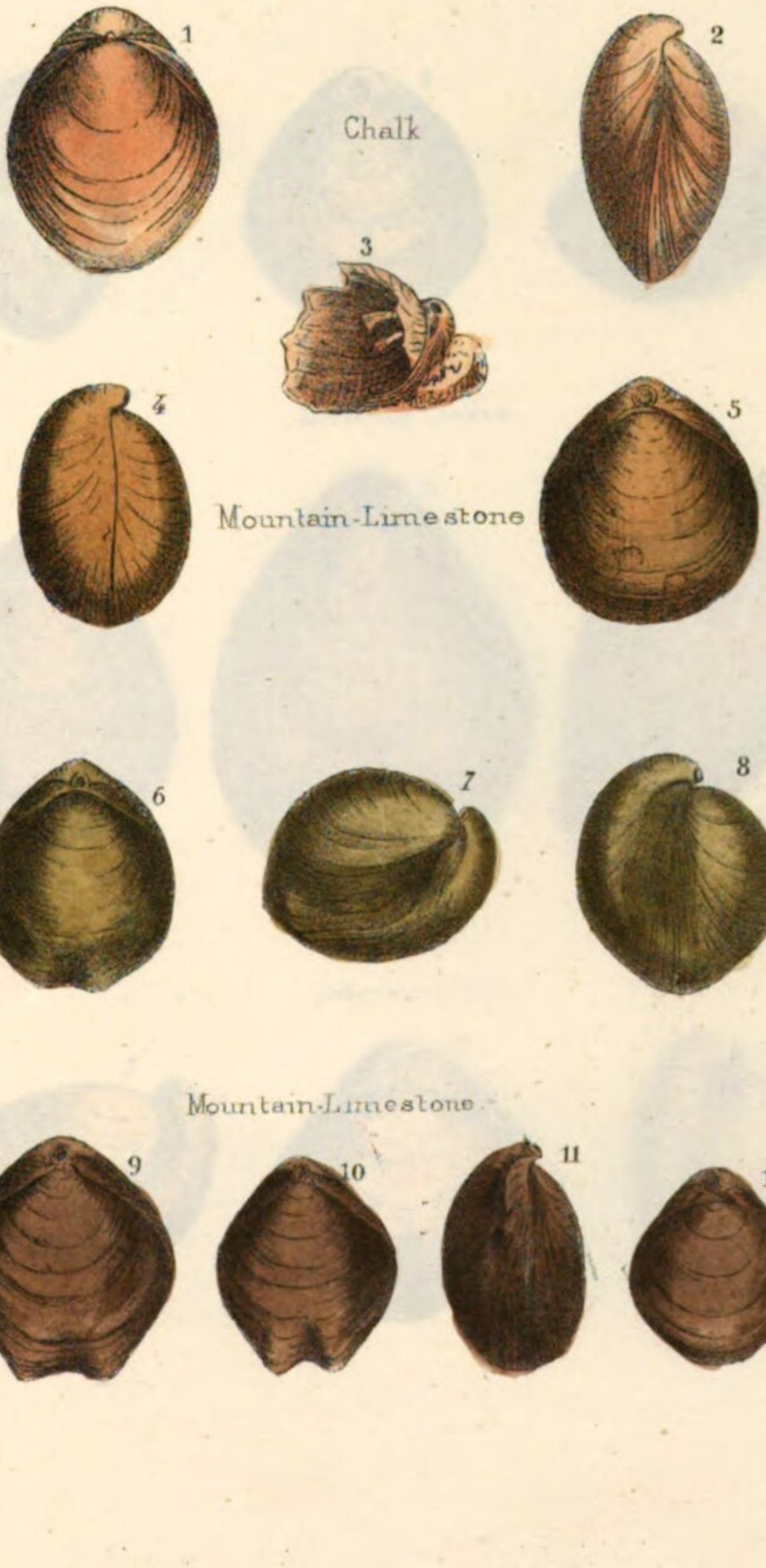
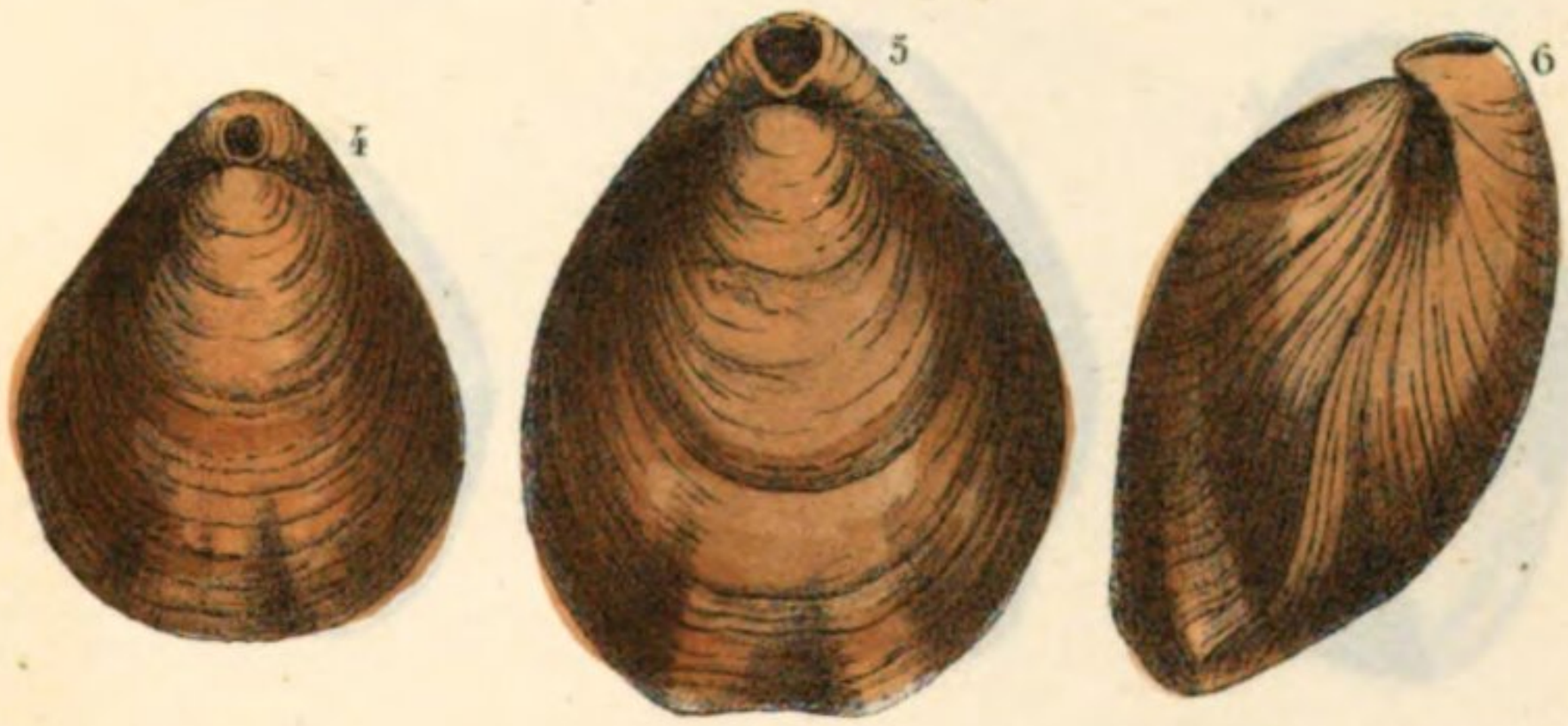


Fig. 1. 2. 3 Terebratula elongata Sow. Fig. 4. 5. T. sphaeroidalis Sow.
Fig. 6. 7. 8 T. bullata Sow. Fig. 9. 10. 11. 12 T. emarginata Sow.

Mountain-Limestone.

Inferior Oolite.



Inferior-Oolite.

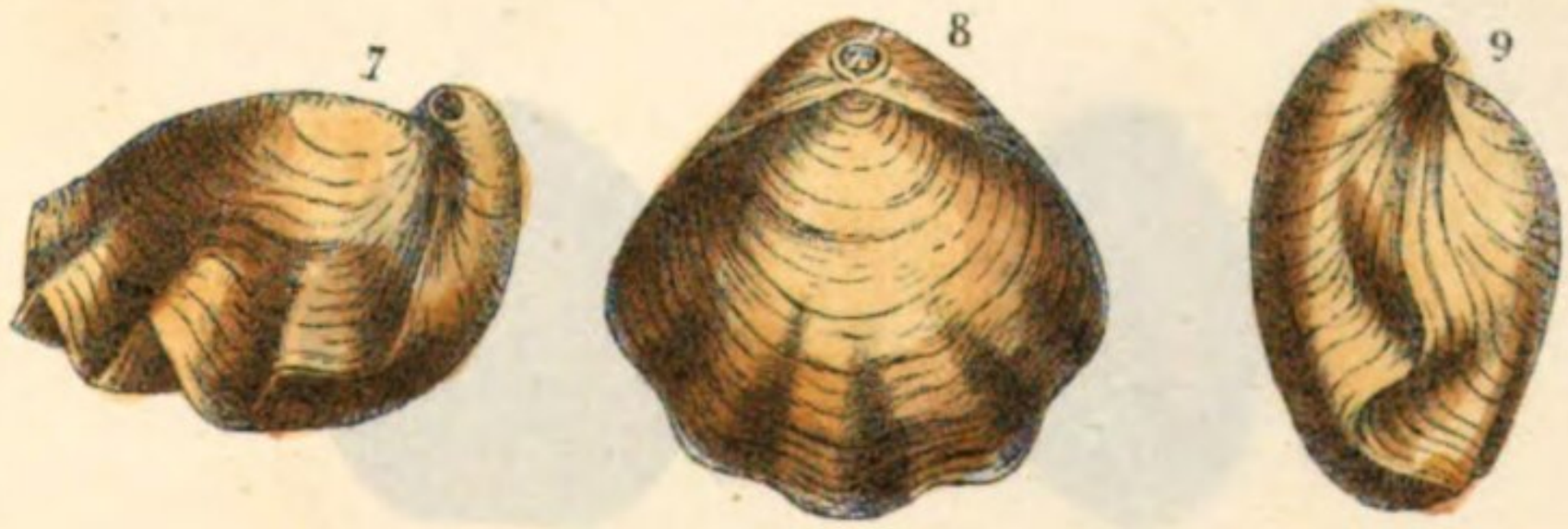
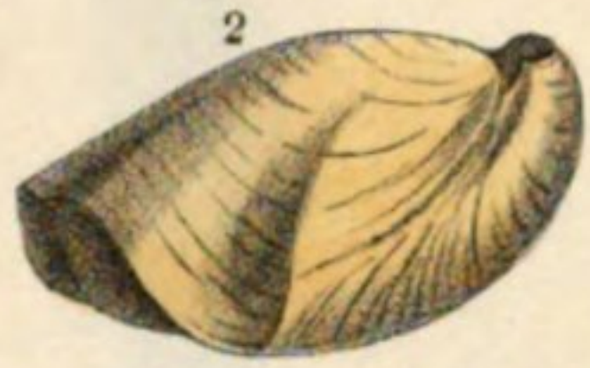
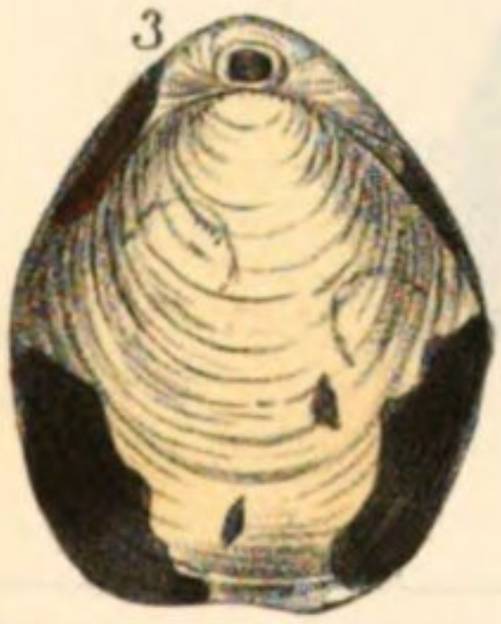


Fig. 1. 2. 3 Terebratula globata Sow: Fig. 4. 5. 6 T. Perovalis Sow.
Fig. 7. 8. 9 T. maxilata Sow.

437.

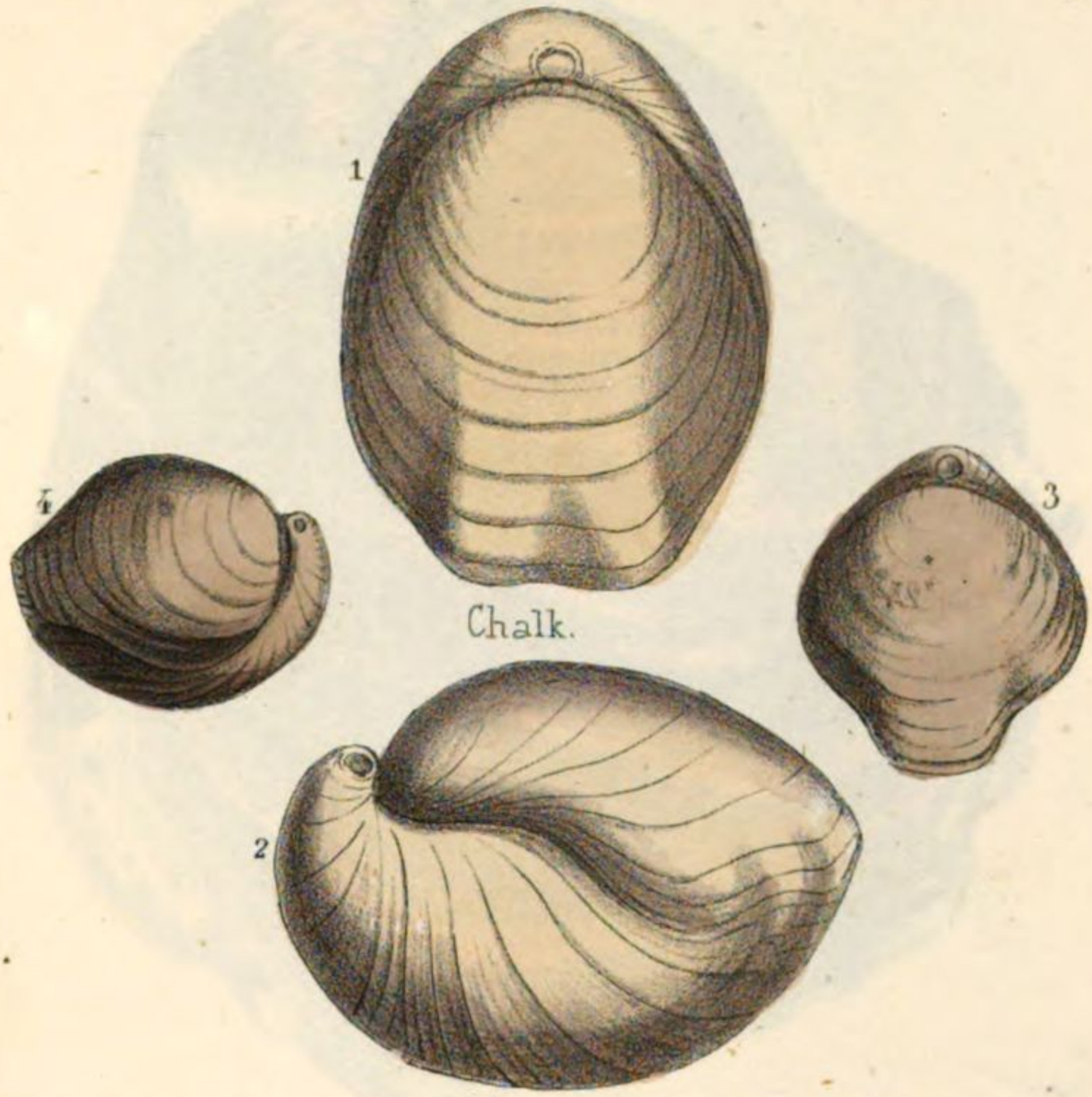




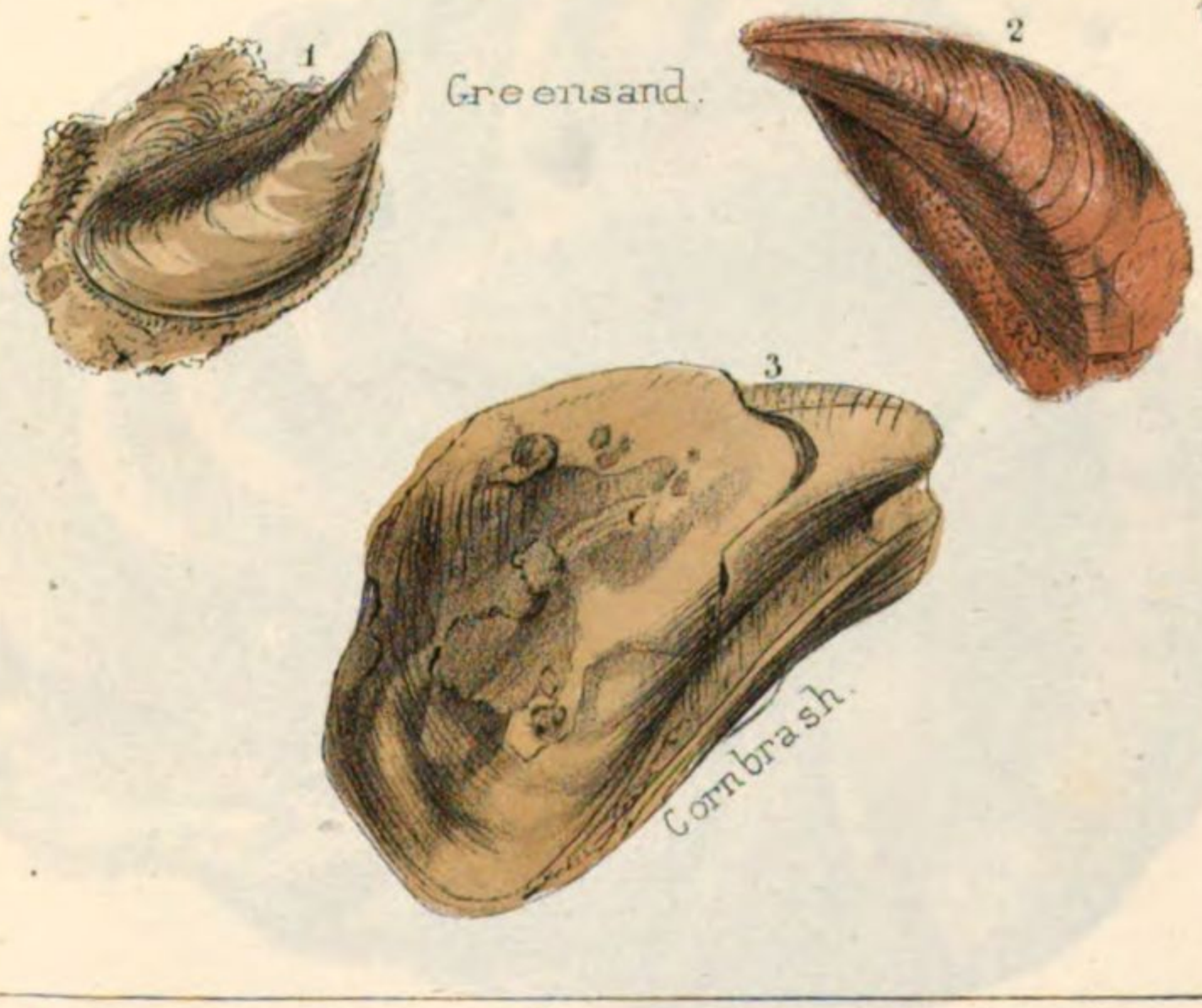
Greensand.

Tab. 437. Fig. 1. 2. Terebratula Sella Sow. - Fig. 6. 7. T. obtusa Sow. - Fig. 3. 4. 5 Terebratula.....

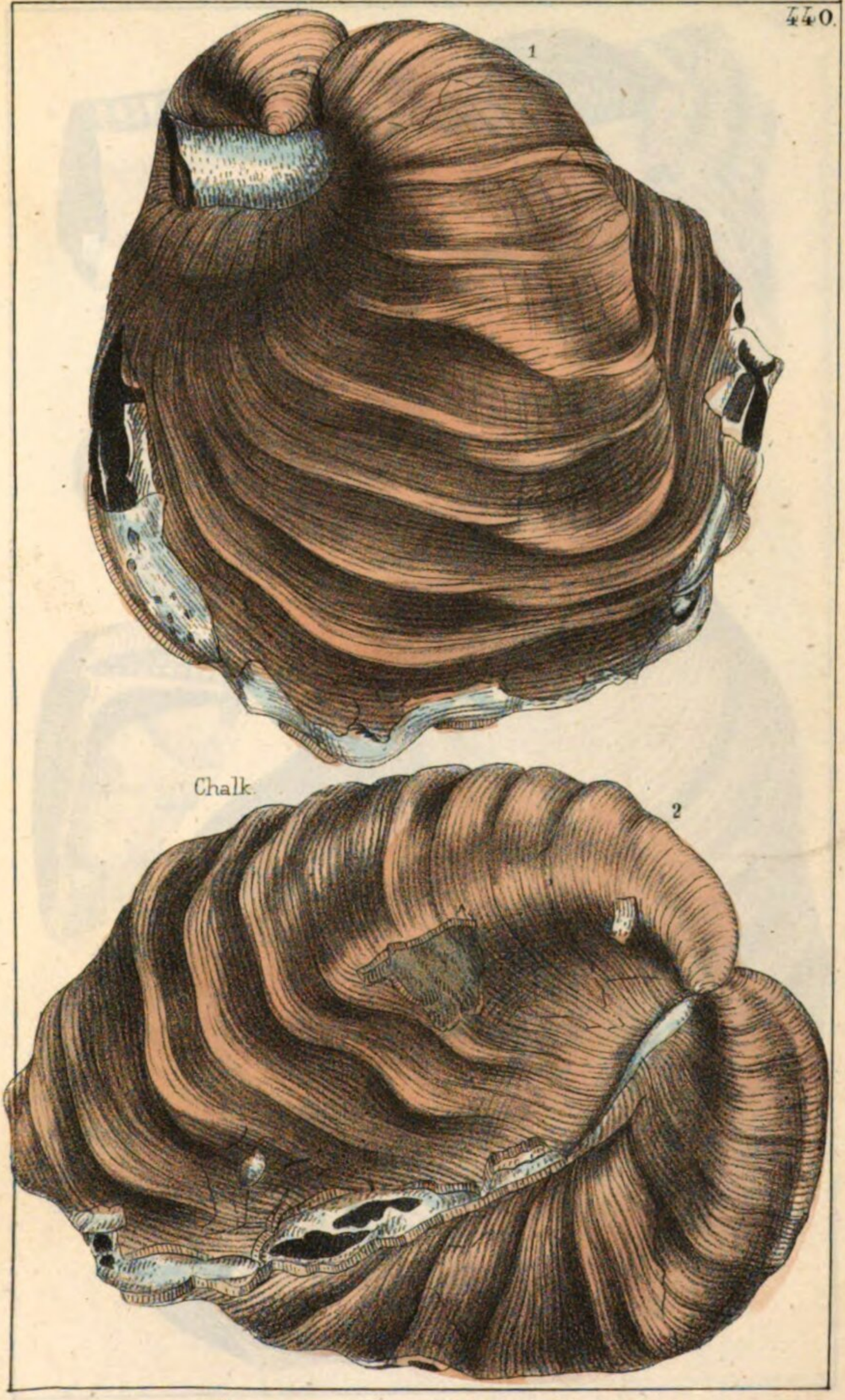
438.



439



Tab. 438. Fig. 1 2 Terebratula obesa Sow.- Fig. 3. 4 T. bucculenta Sow.
Tab. 439. Fig. 1 Mytilus edentulus Sow.- Fig. 2 M. lanceolatus Sow.-
Fig. 3 M. sublaevis Sow.-



Inoceramus cordiformis Sow.

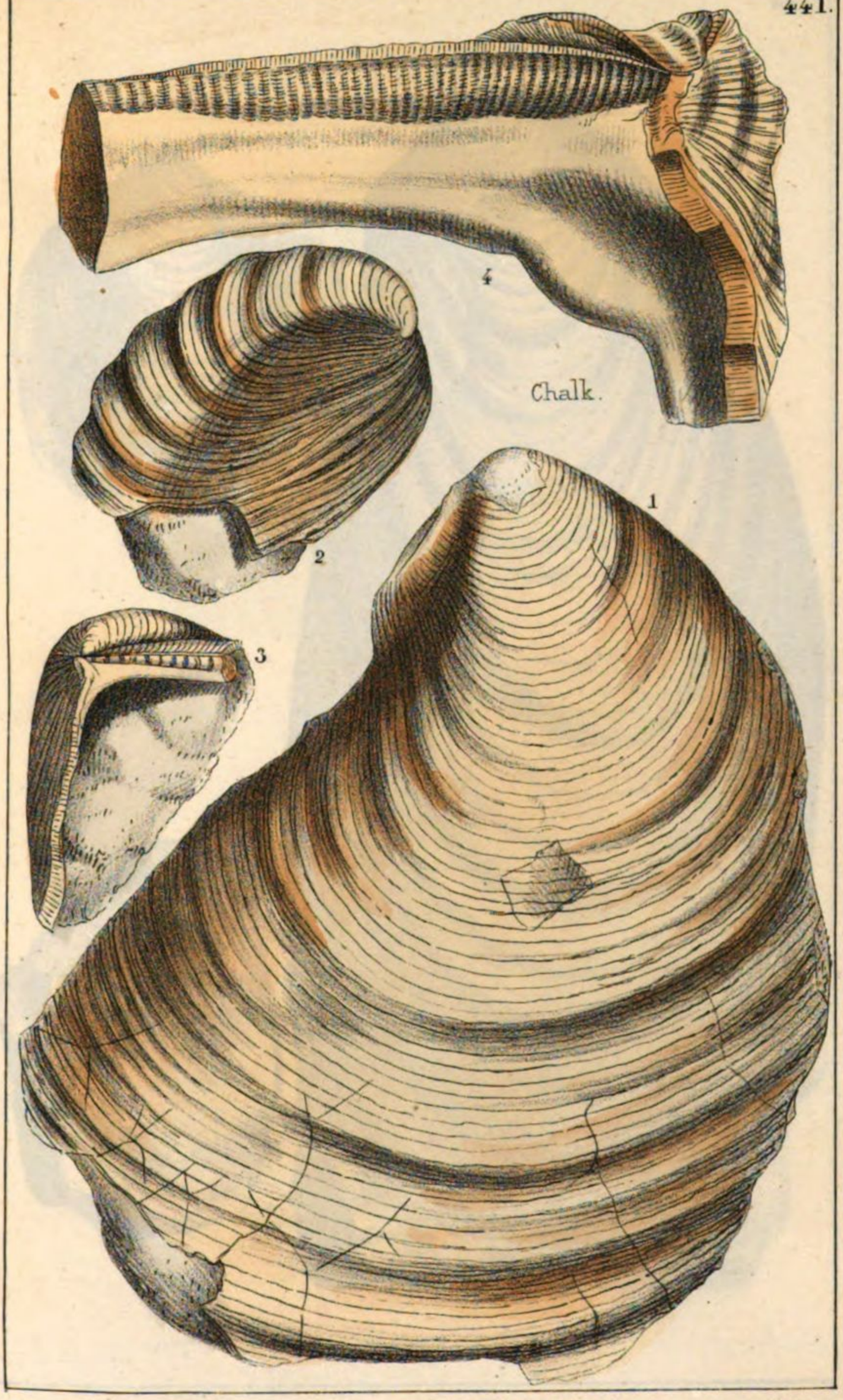
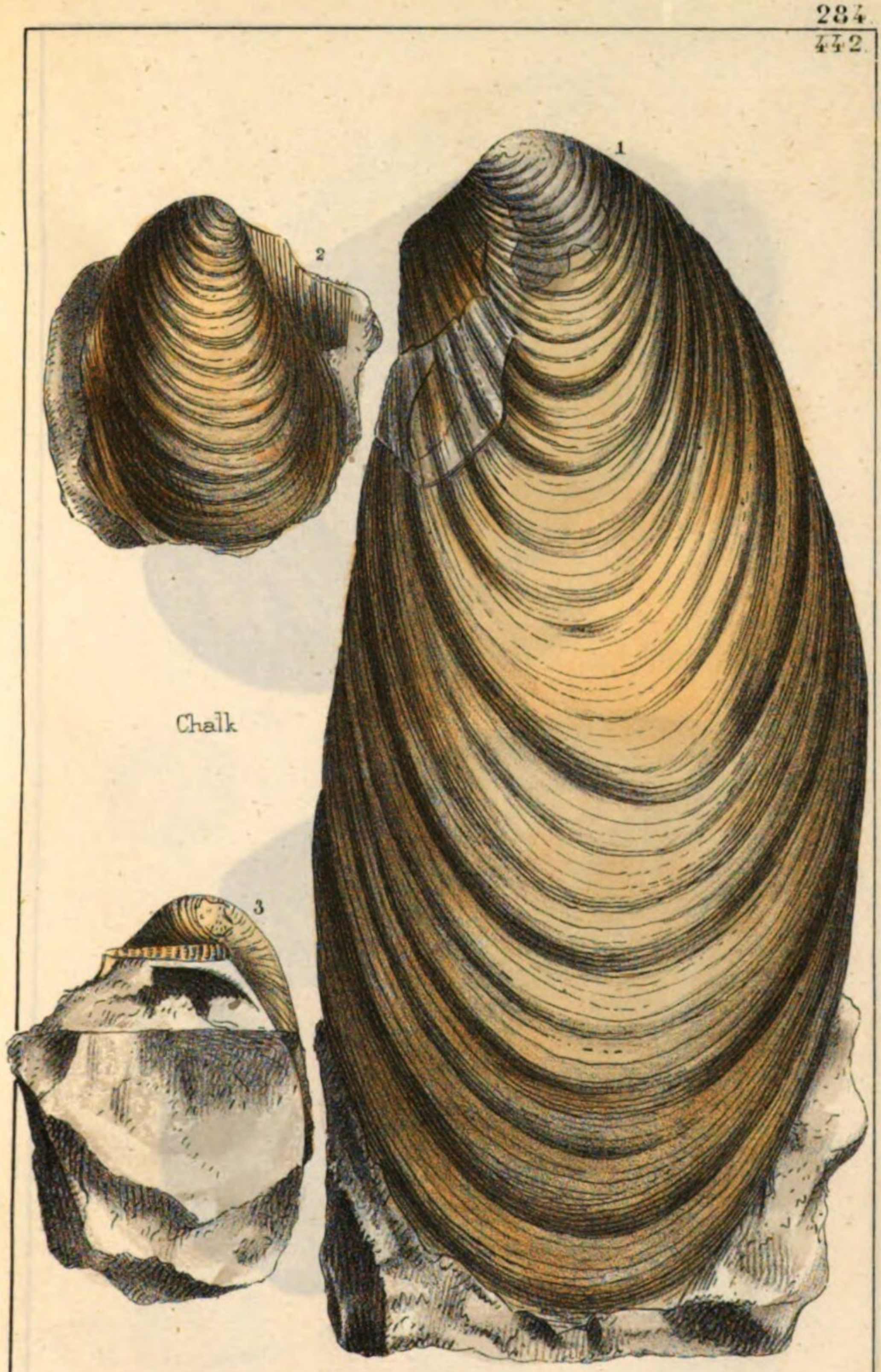
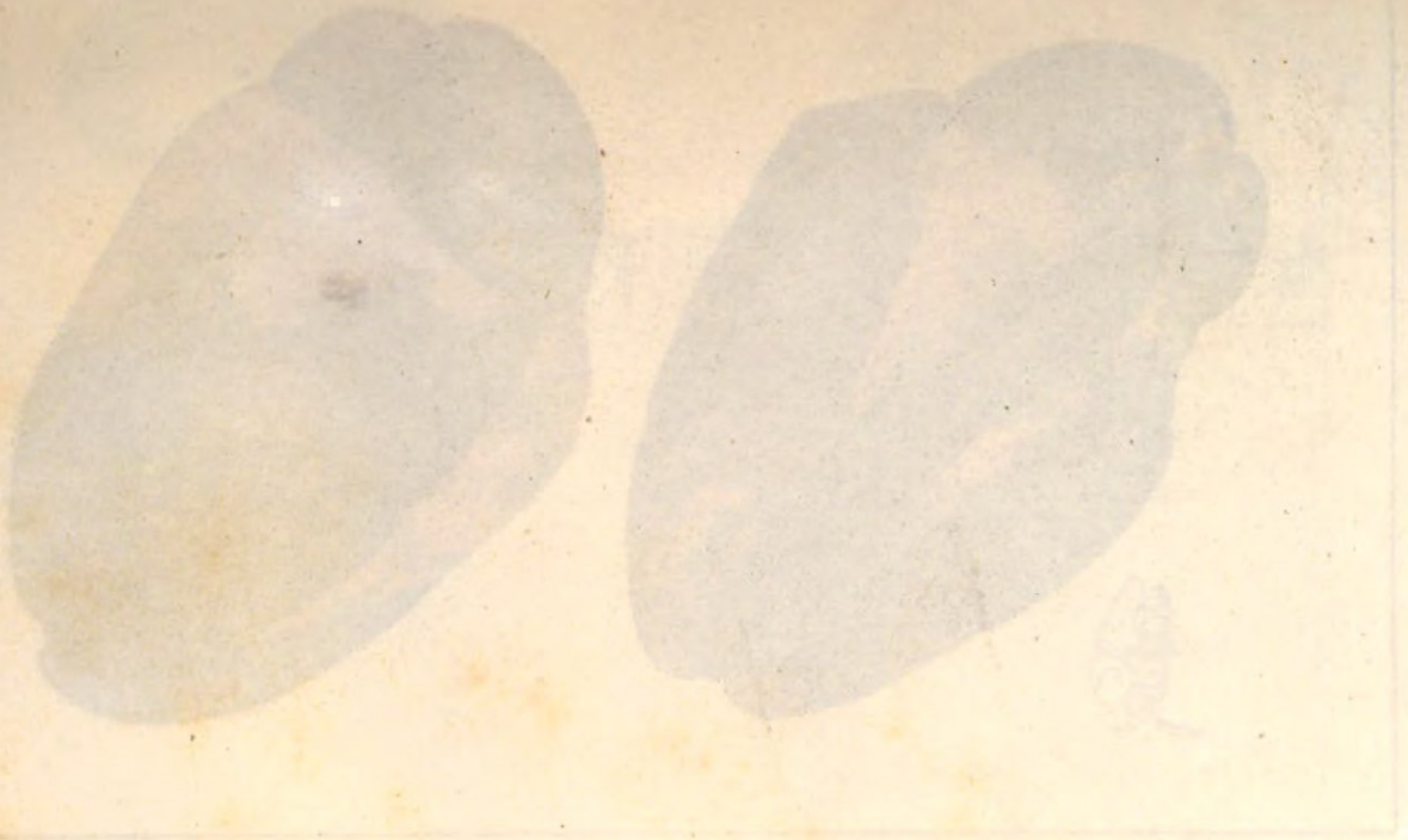


Fig. 1. Inoceramus Cuvieri Sow: Fig. 2.3.4 I. Brongniarti Mant.



Inoceramus mytiloides Mant.

Crenatula ventricosa Sow.



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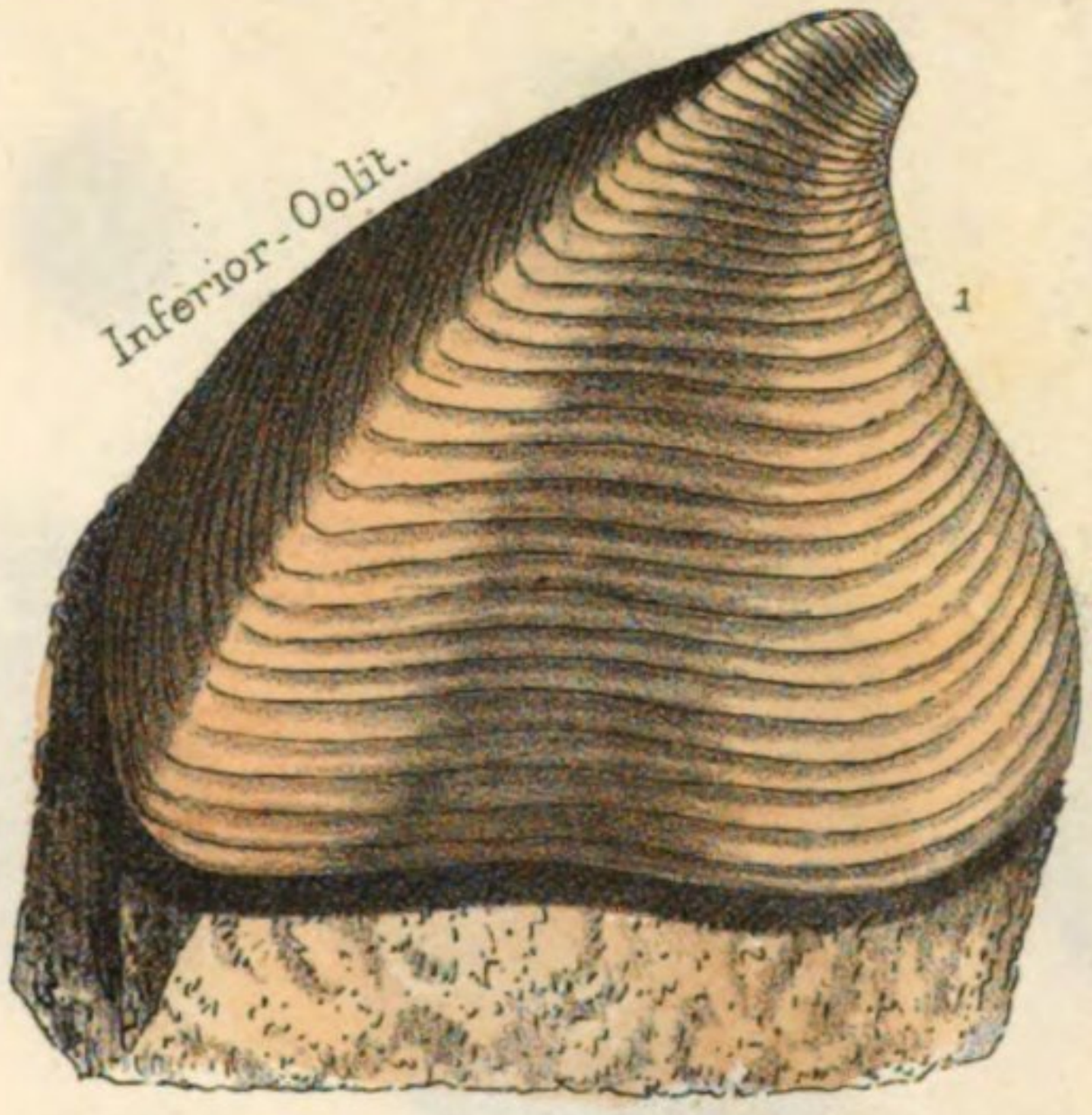

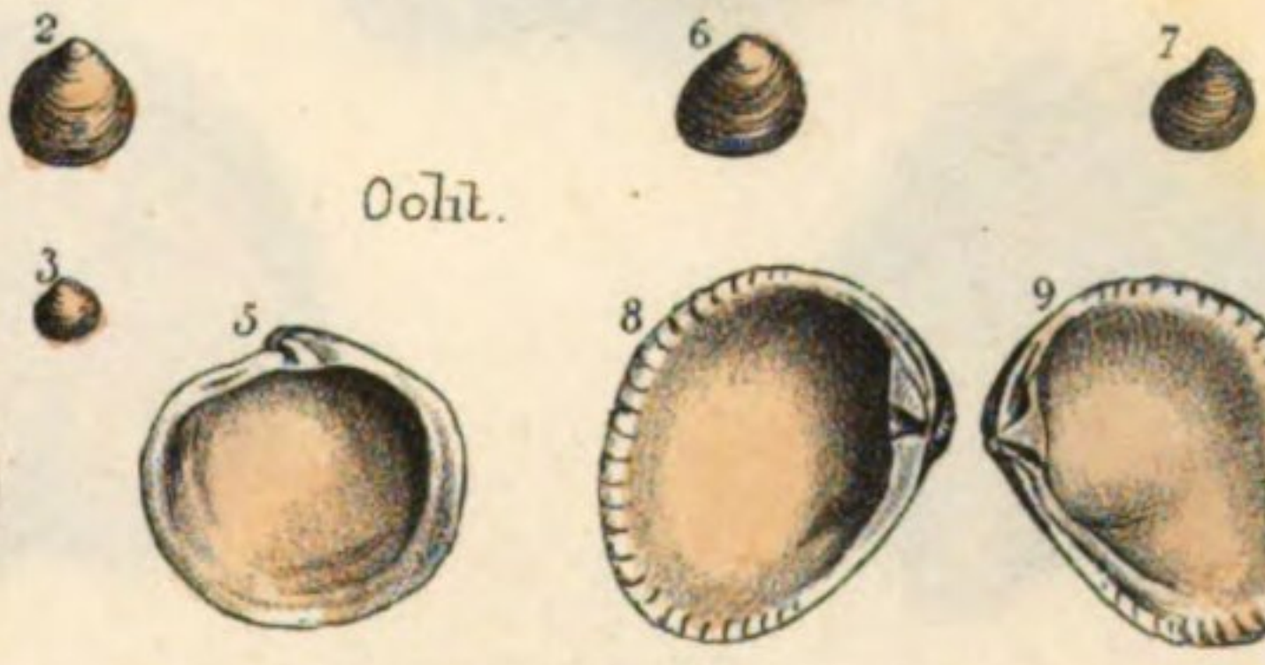

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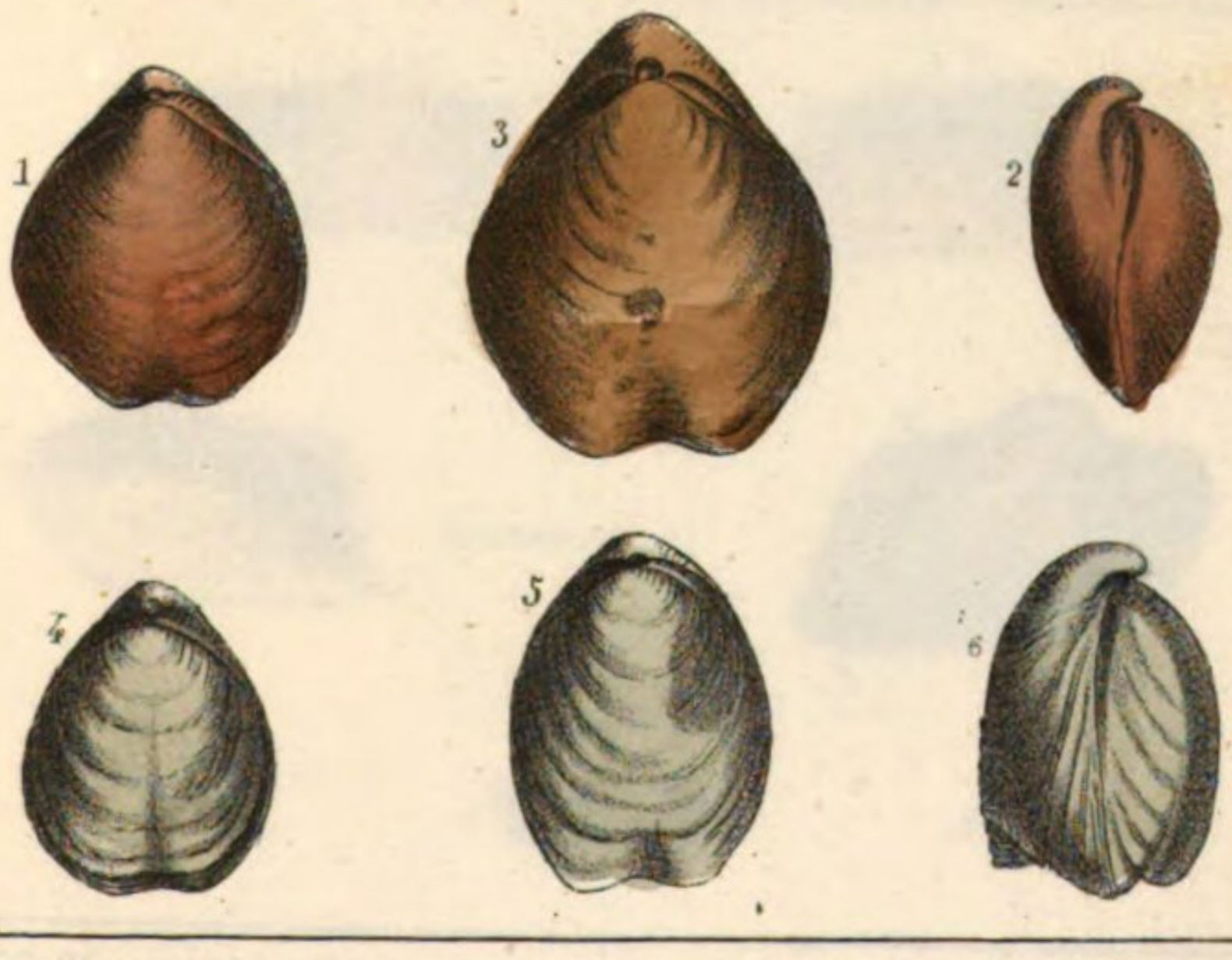
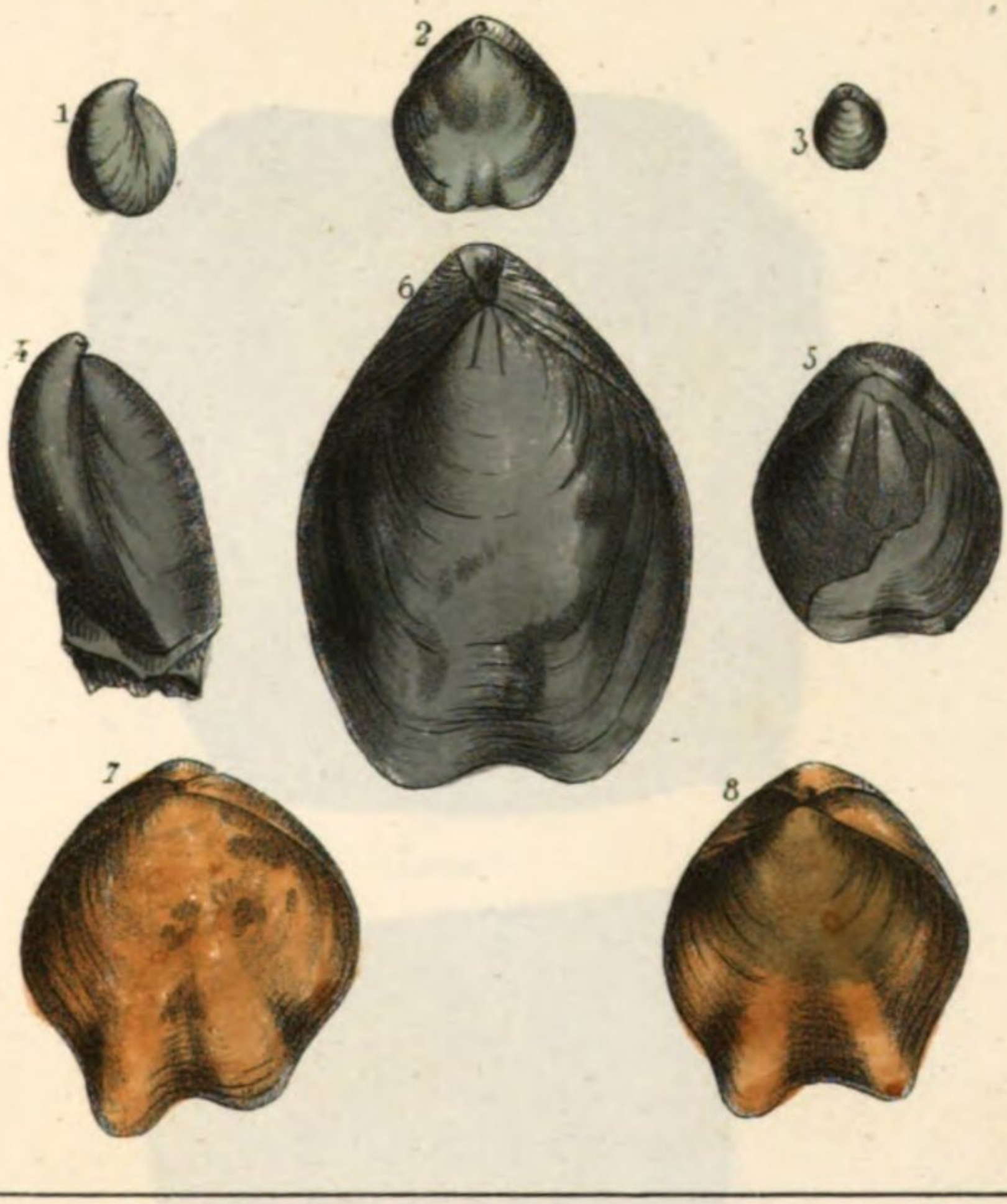
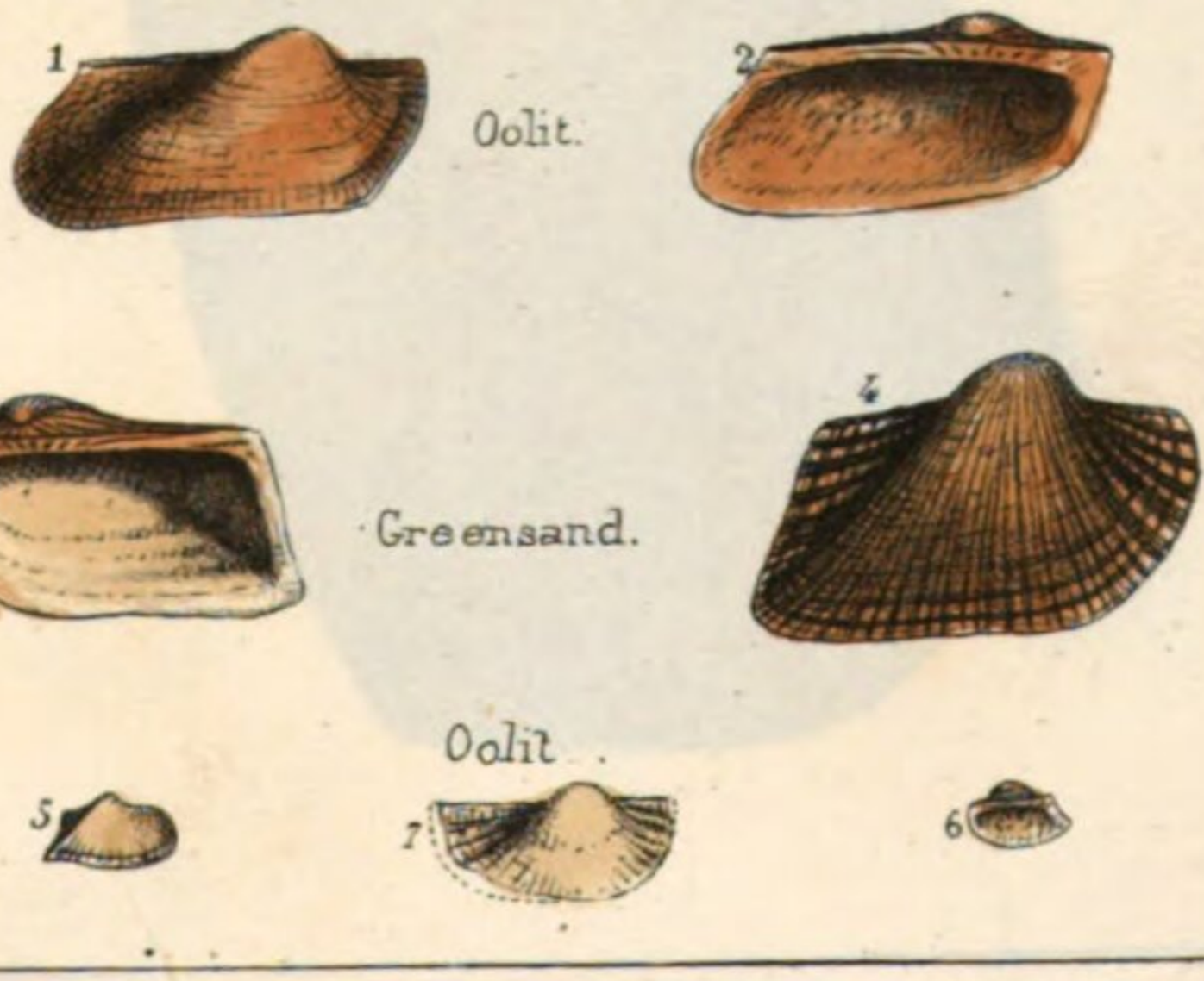


Tab. 444. Fig. 1. Astarte trigonalis Sow.- Fig. 2.-5. A. orbicularis Sow.-
Fig. 6.-9. A. pumila Sow.-
Tab. 445. Fig. 1-3. Terebratula triquetra Sow.- Fig. 4-6. T. indentata Sow.

446.



447.



Tab. 446. Fig. 1-3 Terebratula Sacculus Sow. - Fig. 4. - 6 T. hastata Sow.
Fig. 7 8 T. cornuta Sow. -
Tab. 447. Fig. 1 2 Cucullaea elongata Sow. Fig. 3. 4. C. costellata Sow.
Fig. 5. 6. C. minuta Sow. - Fig. 7. C. cornuta Sow.

1

Lias

2

Ammonites planorbis Sow.

Lias.

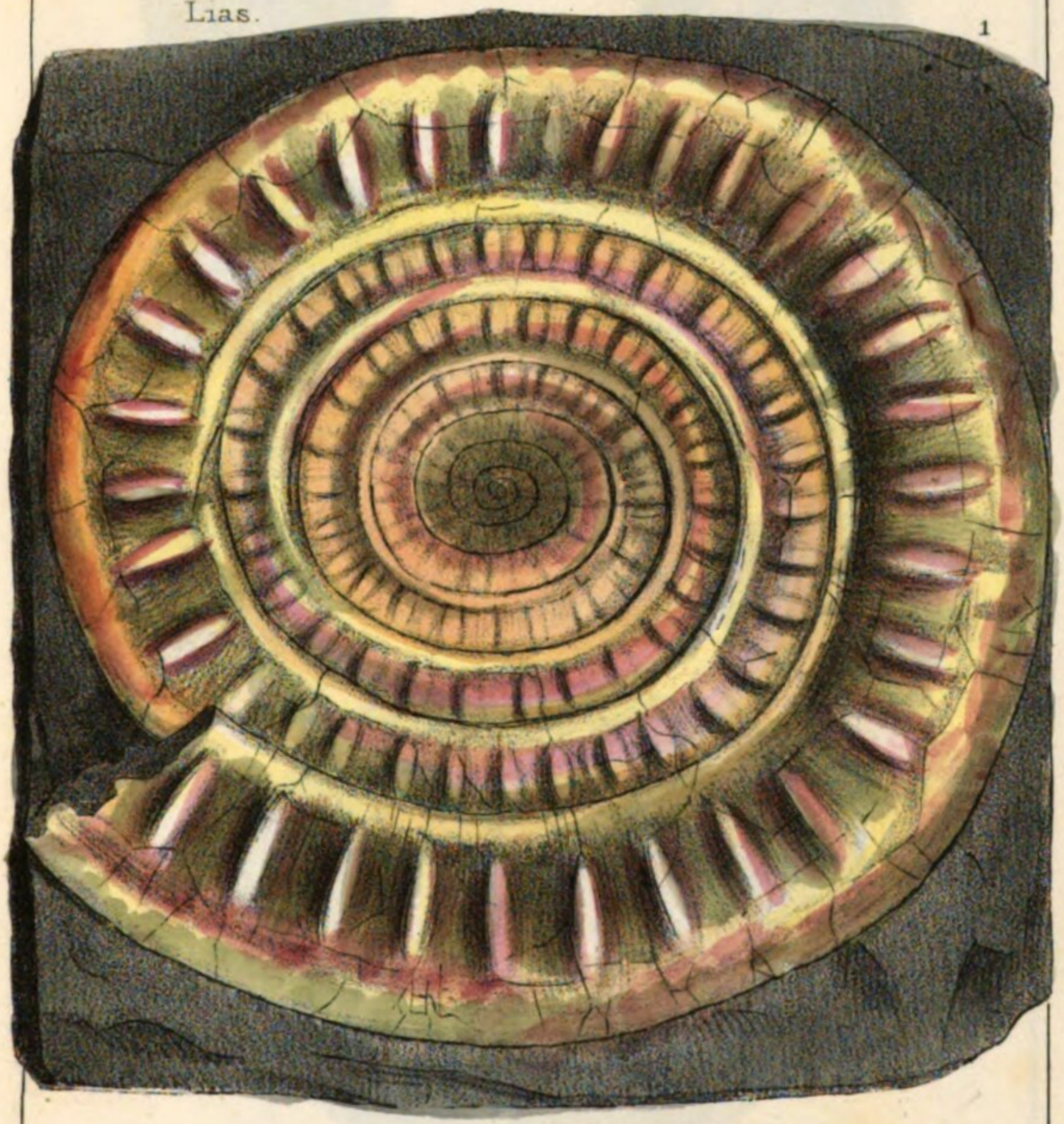
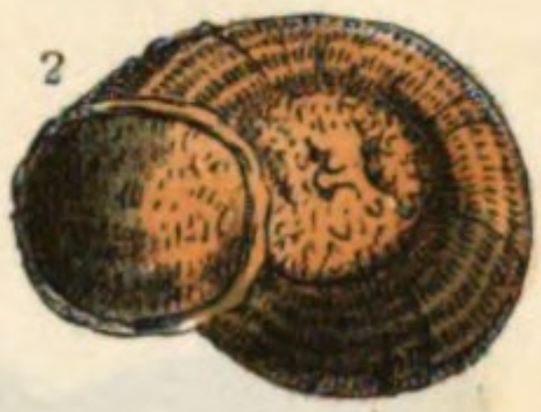


Fig. 1 Ammonites Johnstoni Sow. Fig. 2. 3. 4 Am. parvus Sow.



Mountain-limestone.

Oolit.

45 ϕ.

Greensand.

Inferior-Oolit

Inf. Oolit.

Tab. 450. Fig. 1. 2. 3 Euomphalus funatus Sow. Fig. 4-7. E. coronatus Sow.
Tab. 451. Fig. 1. 2 Ammonites laeviusculus Sow. Fig. 3 Am. corrugatus Sow.
Fig. 4. 5 A. varicosus Sow.

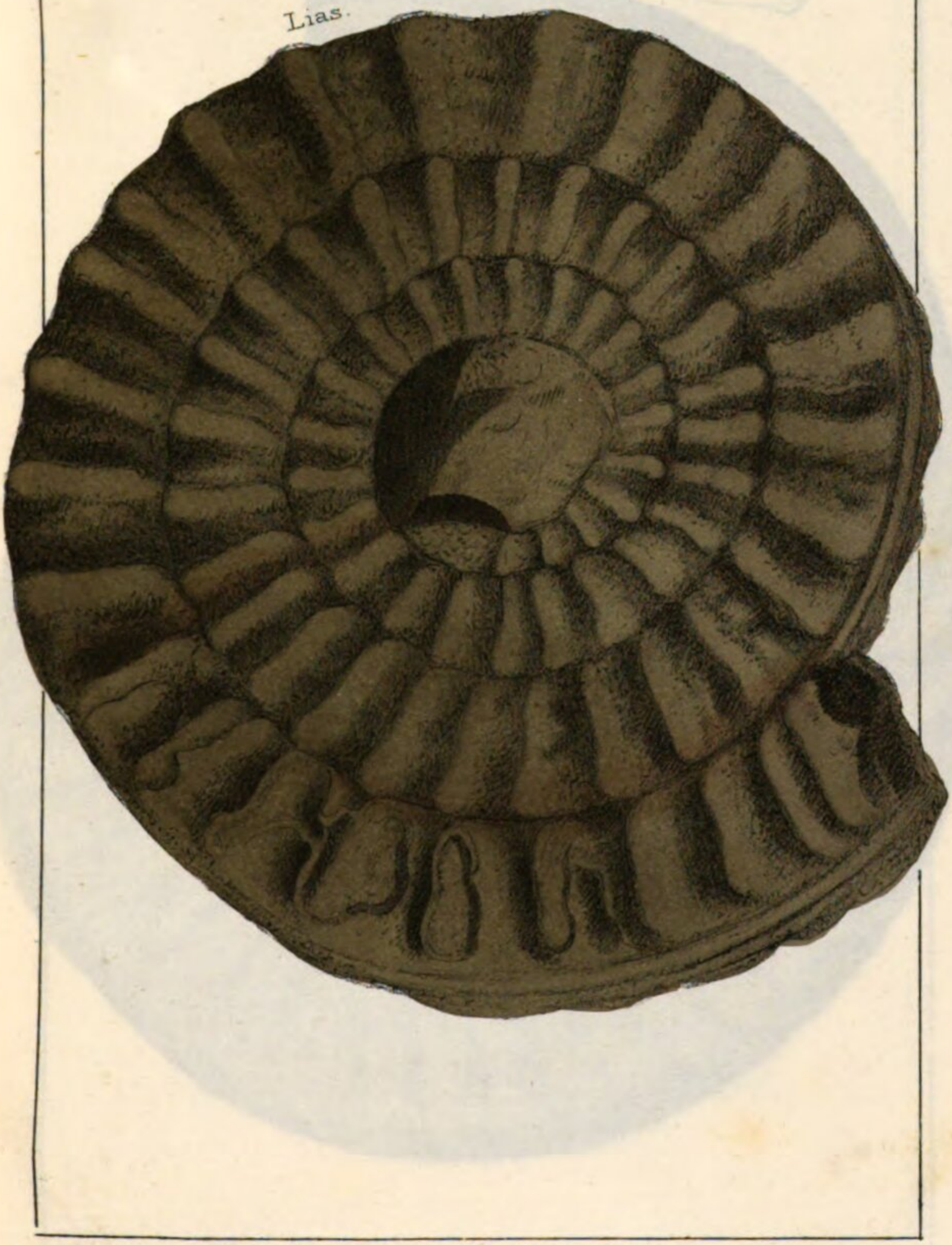
1

Lias.

2

Ammonites Turneri Sow.

Lias.



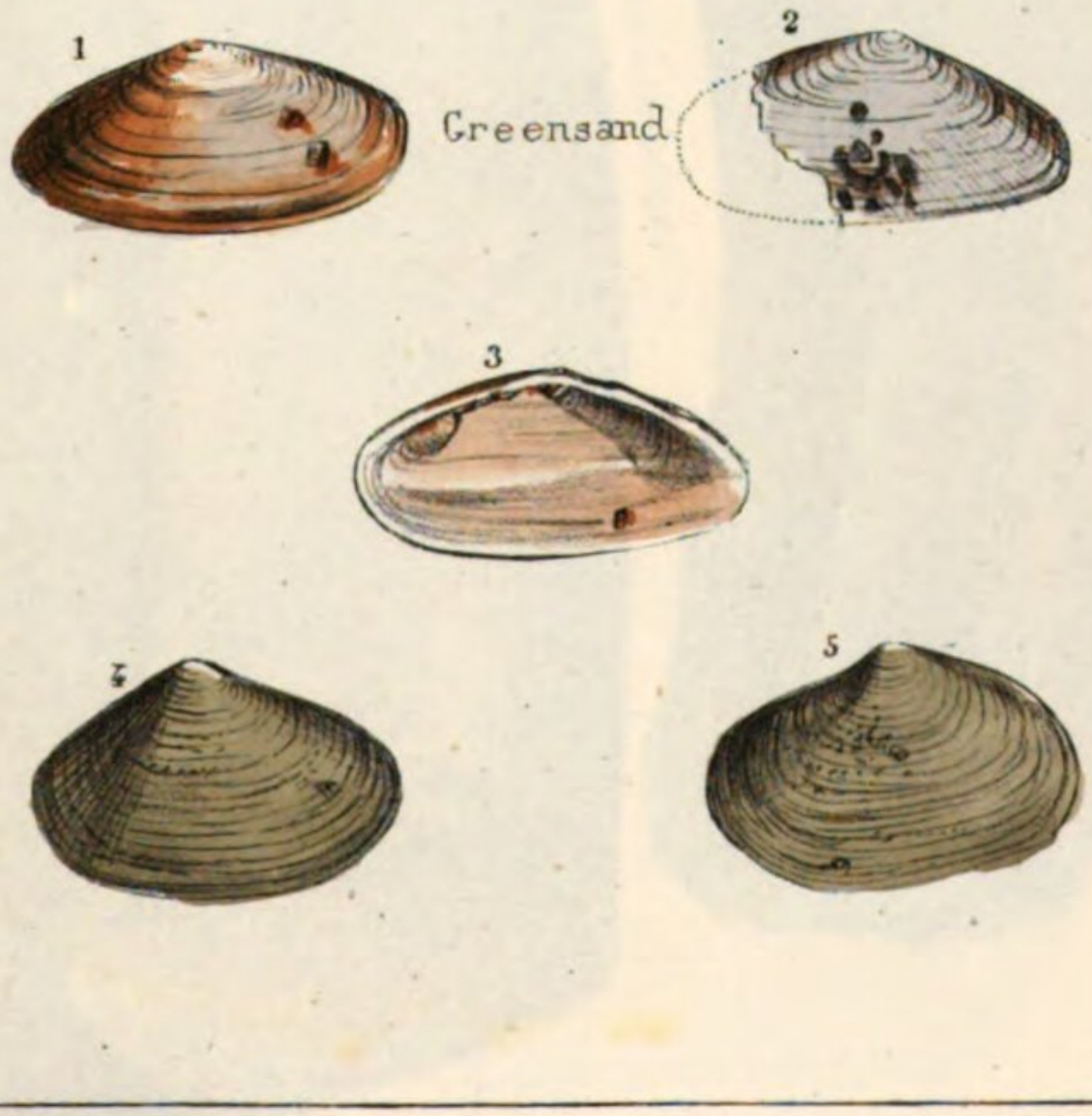
Ammonites rotiformis Sow.

454.

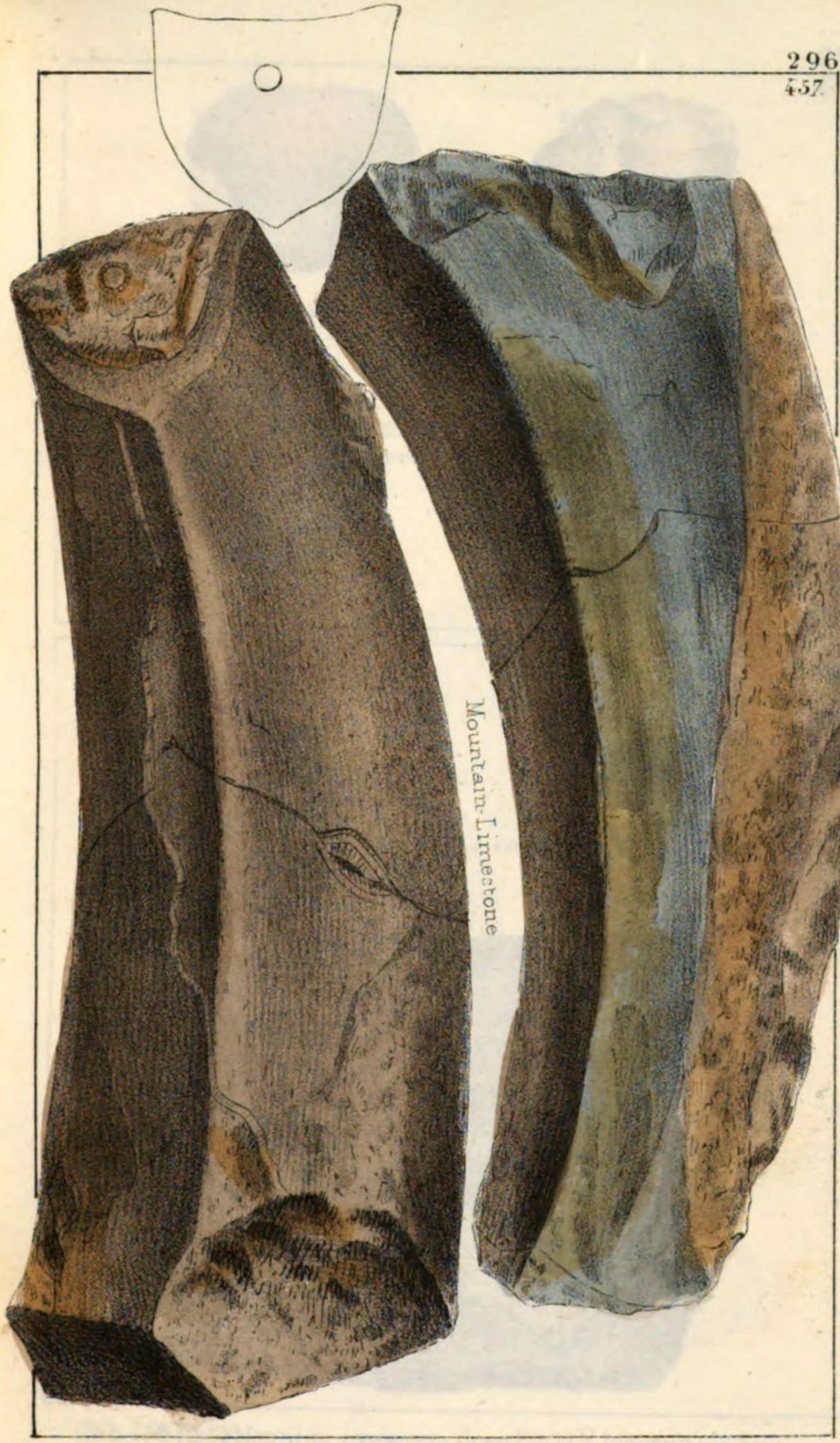
Ammonites multicostatus Sow.

455.

456.

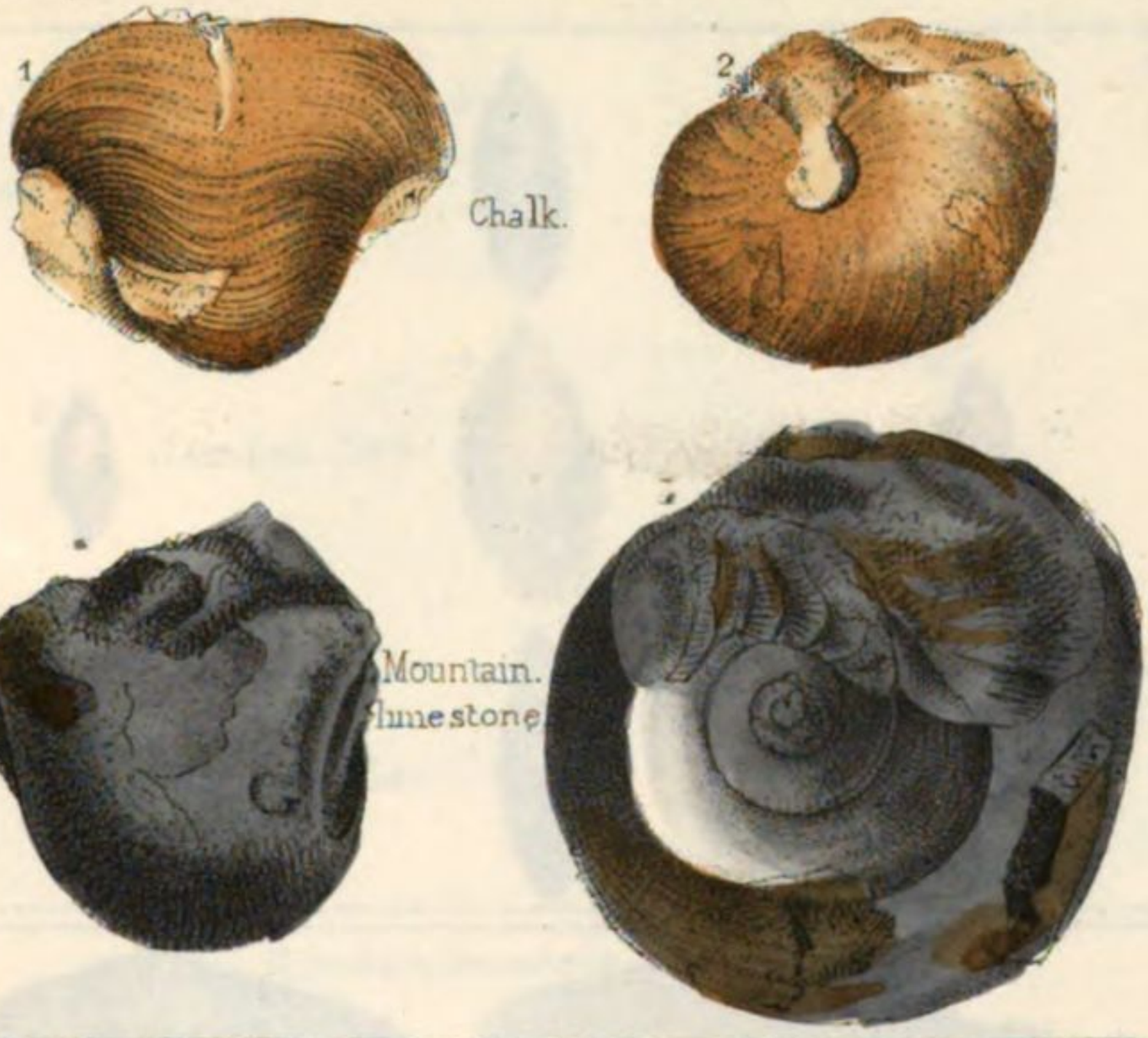


Tab. 455 Fig. 1-3. Acteon cuspidatus Sow.- Fig. 4.5. A. acutus Sow.-
Tab. 456. Fig. 1.2.3. Tellina striata Sow.- Fig. 4.5. Tina equalis Sow.

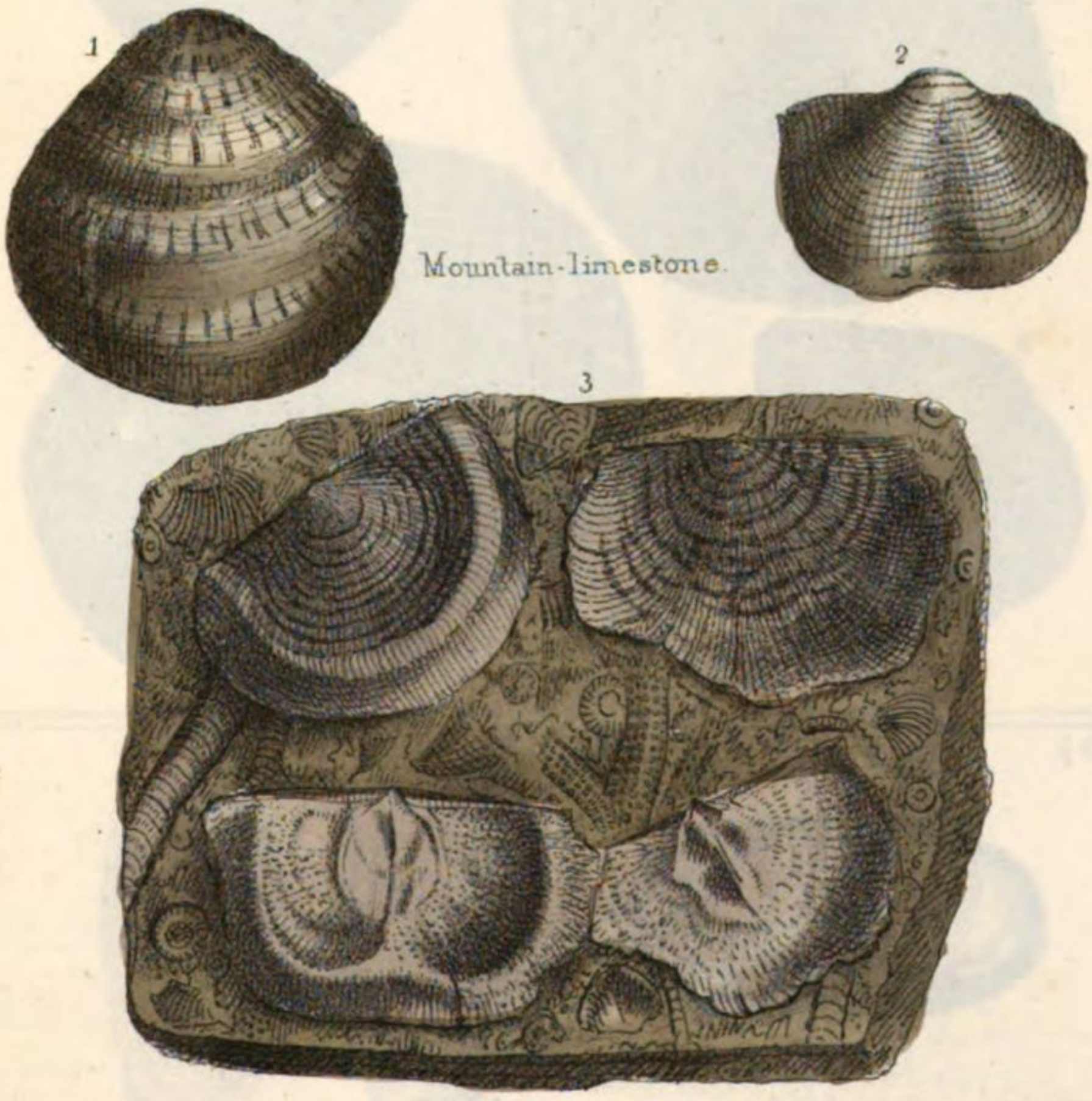


Orthocera paradoxica Sow

458.



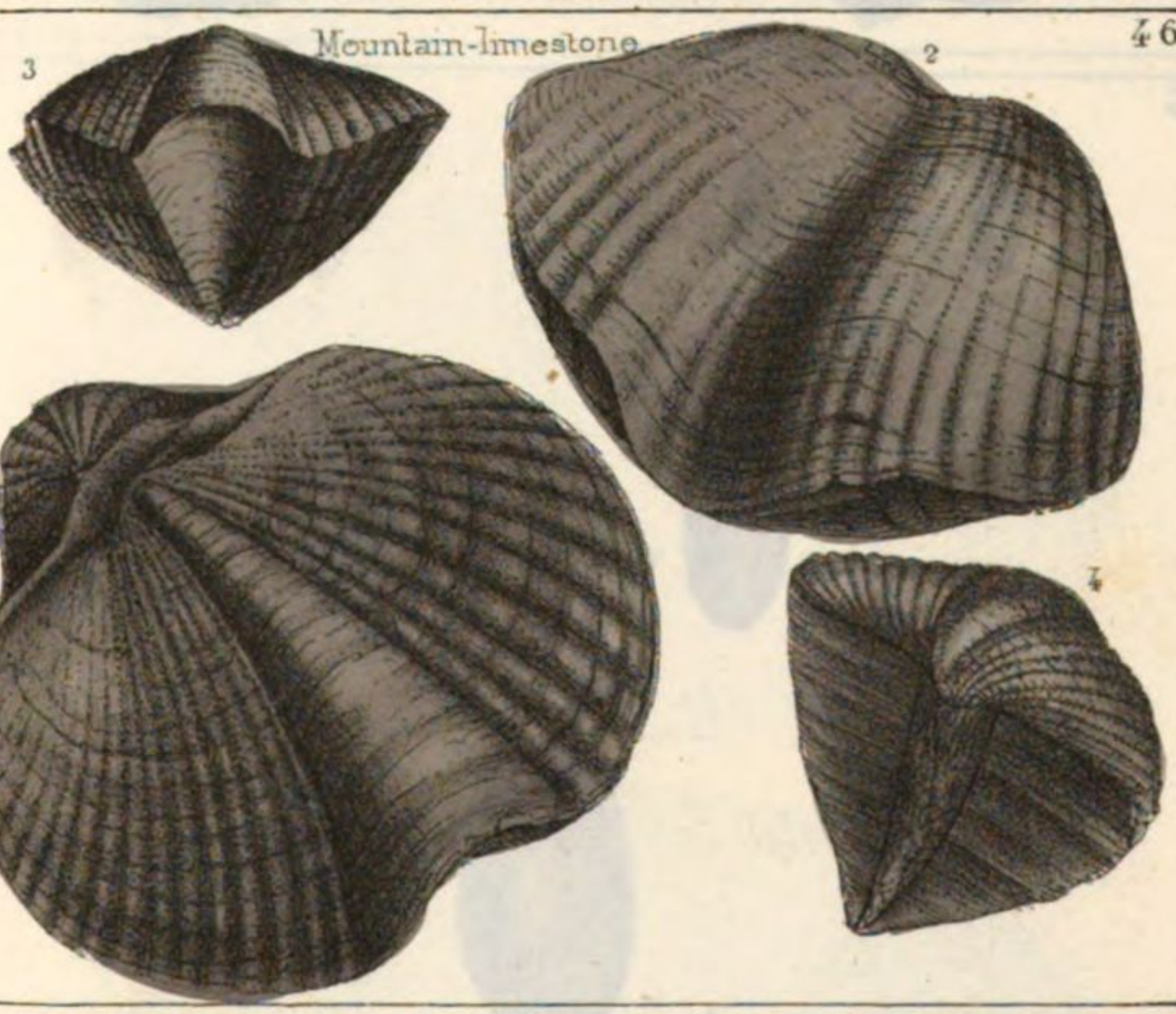
459.



Tab. 458. Fig. 1. 2 Nautilus expansus Sow. - Fig. 3. 4 N. biangulatus Sow.
Tab. 459. Fig. 1 Productus fimbriatus Sow. - Fig. 2 P. plicatilis Sow. - Fig. 3 P. depressus Sow.

460.

461.



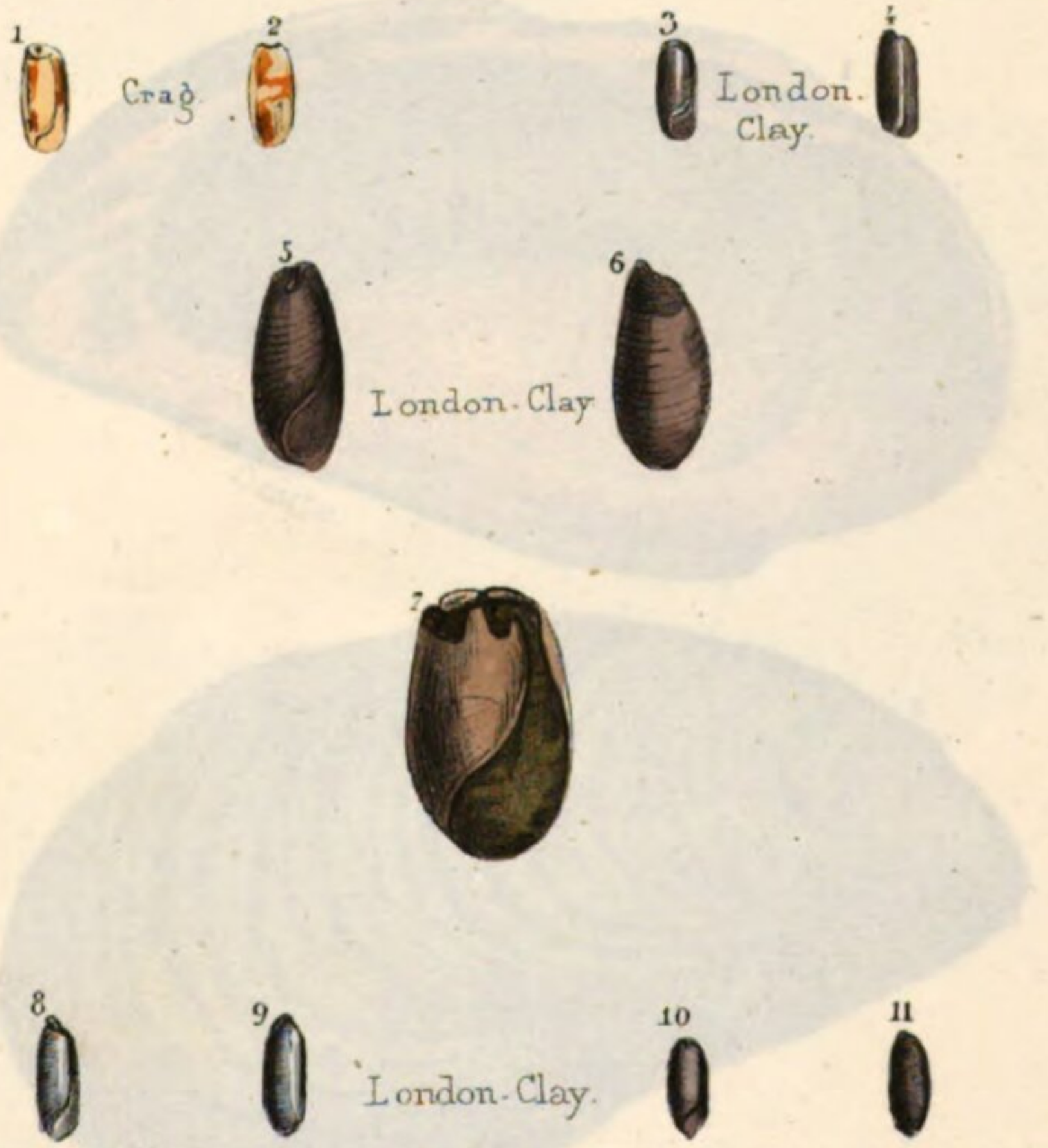
462.

Tab. 460. Fig. 1-3 Acteon crenatus Sow.- Fig. 4-6 A. striatus Sow.- Fig. 7-9 A. elongatus Sow
Tab. 461. Fig. 1. 2 Spirifer rotundatus Sow.- Fig. 3. 4. S. cuspidatus var. Sow.
Tab. 462. Sanguinolaria compressa Sow.

463

Inferior-Oolite

464

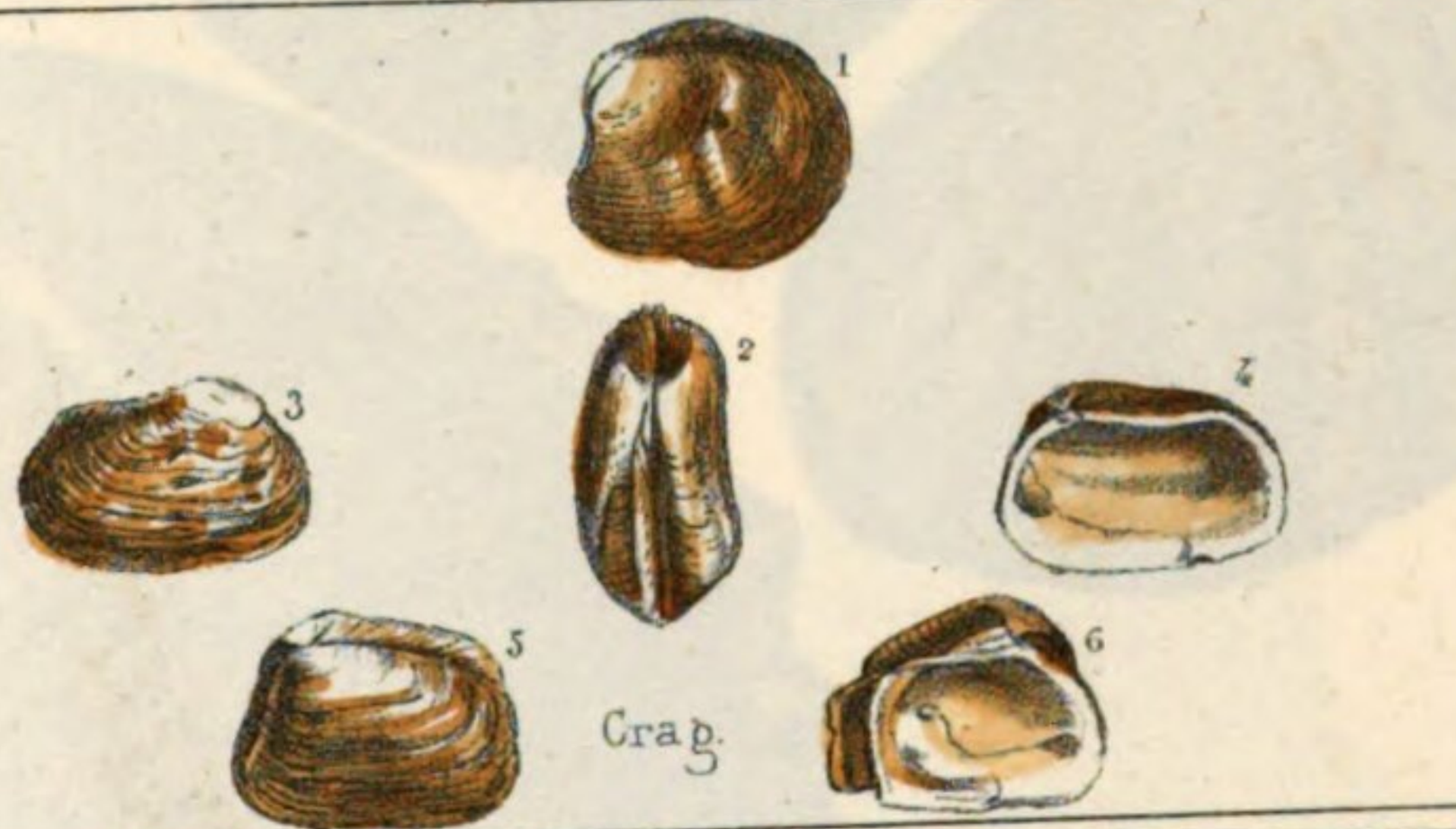


Tab. 463. Fig. 1. 2. 3 Nerita spirata Sow. - Fig. 4. 5. 6 N. minuta Sow.
Fig. 7. 8. 9 N. costata Sow

Tab. 464 Fig. 1. 2. Bulla convulata. Brocchi. - Fig. 3. 4. B. constricta Sow.
Fig. 5. 6. B. attenuata Sow. - Fig. 7. B. filosa Sow. - Fig. 8. 9. B. acuminata Sow.
Fig. 10. 11. B. elliptica Sow.

465.

466.



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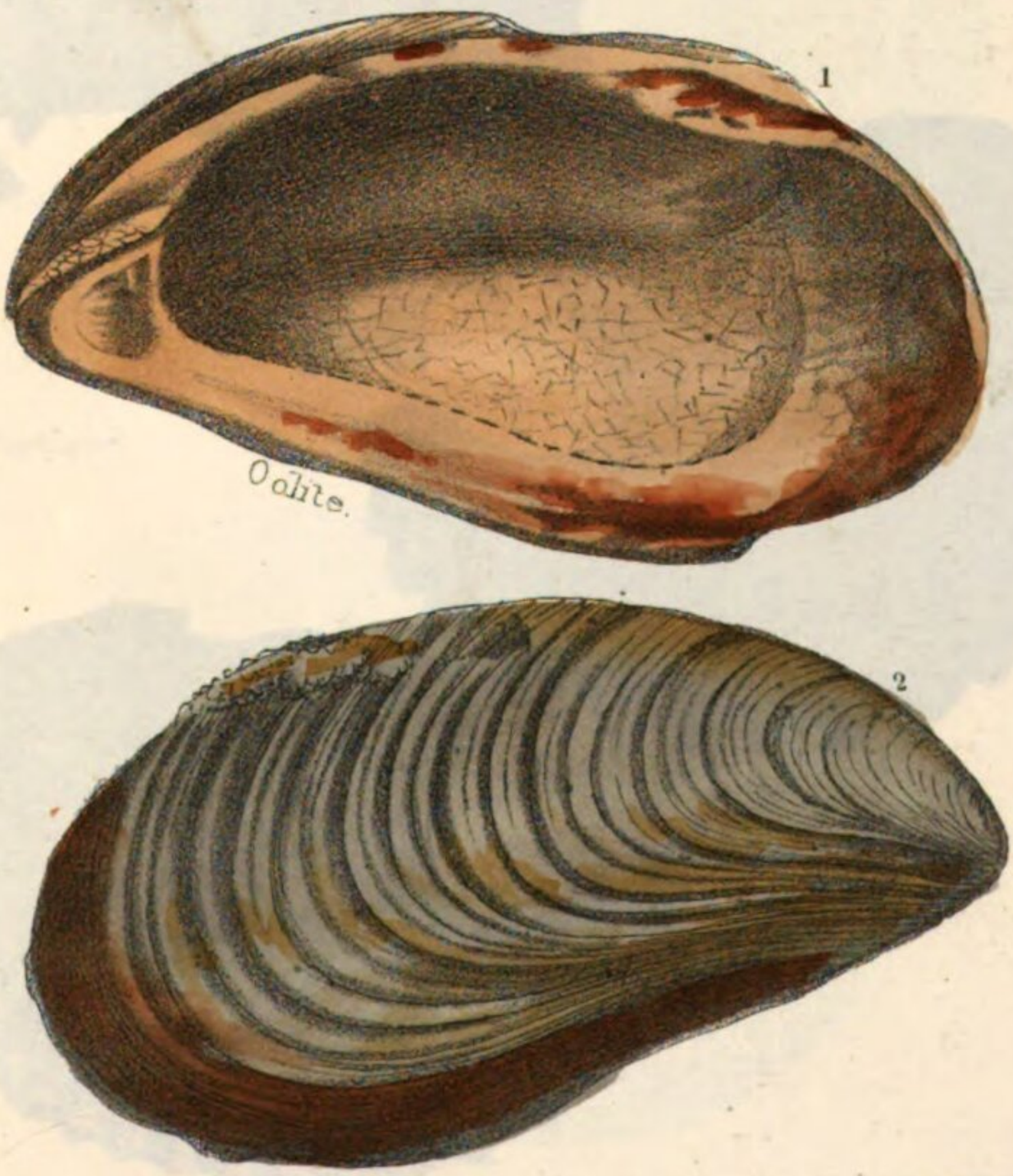
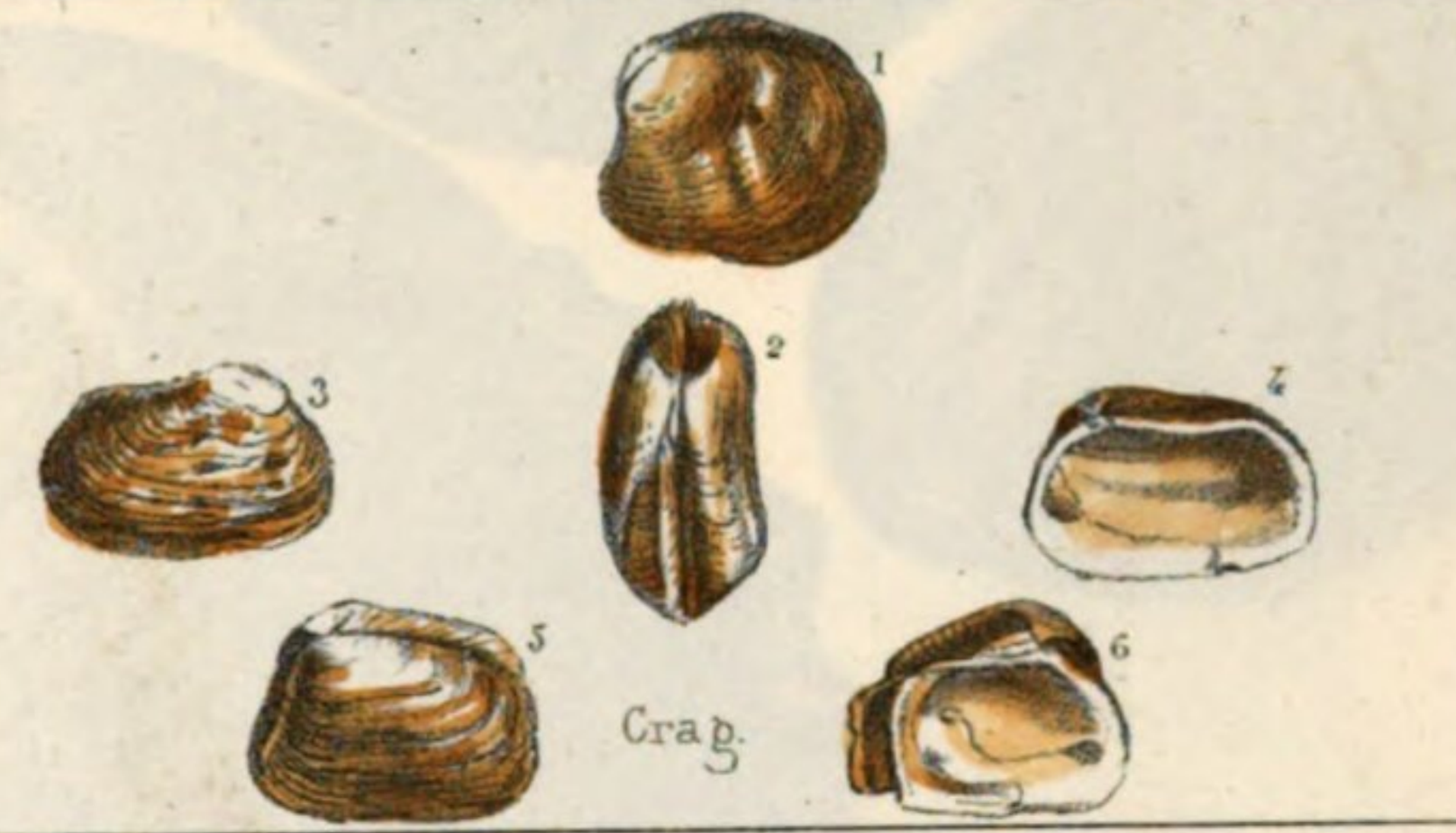


Tab. 465. Fig. 1. 2. 3 Auricula ventricosa Sow. Fig. 4. 5. 6 A. buccina Sow.
Tab. 466 Saxicava rugosa Lam.
Tab. 467 Myoconcha crassa Sow.

465.

466.



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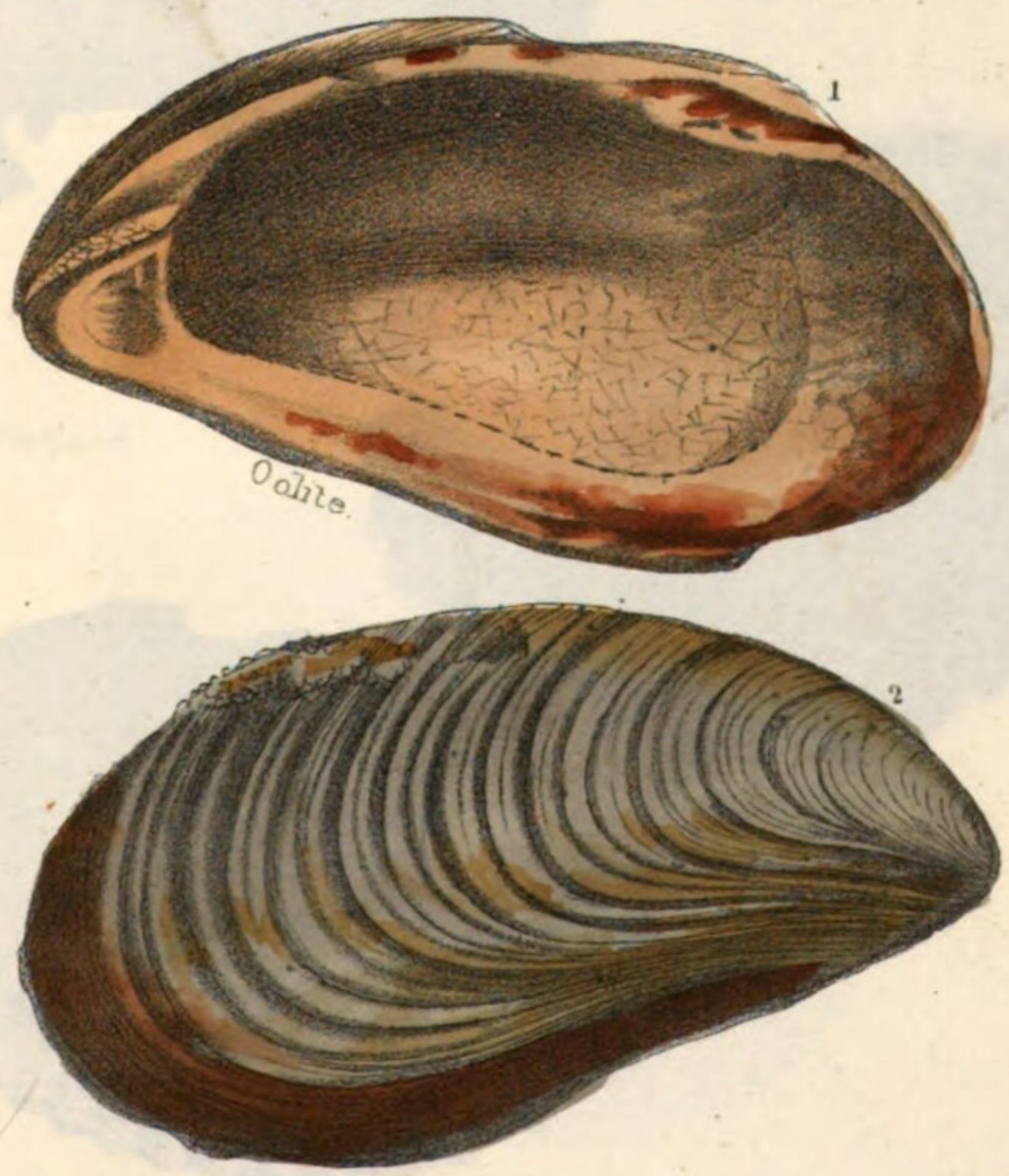


Tab. 465 Fig. 1. 2. 3 Auricula ventricosa Sow. Fig. 4. 5. 6 A. buccina Sow.
Tab. 466 Saxicava rugosa Lam.
Tab. 467 Myoconcha crassa Sow.

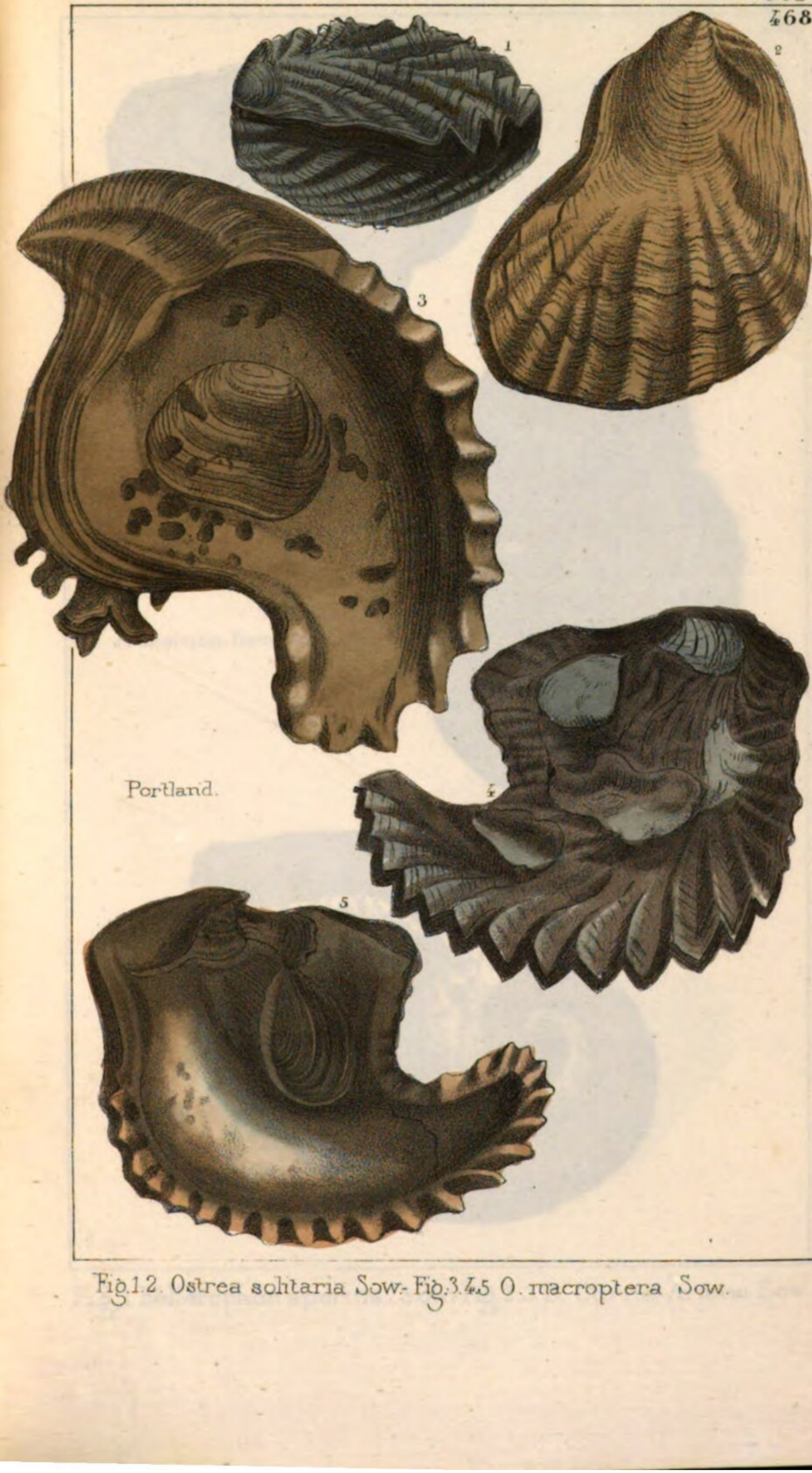
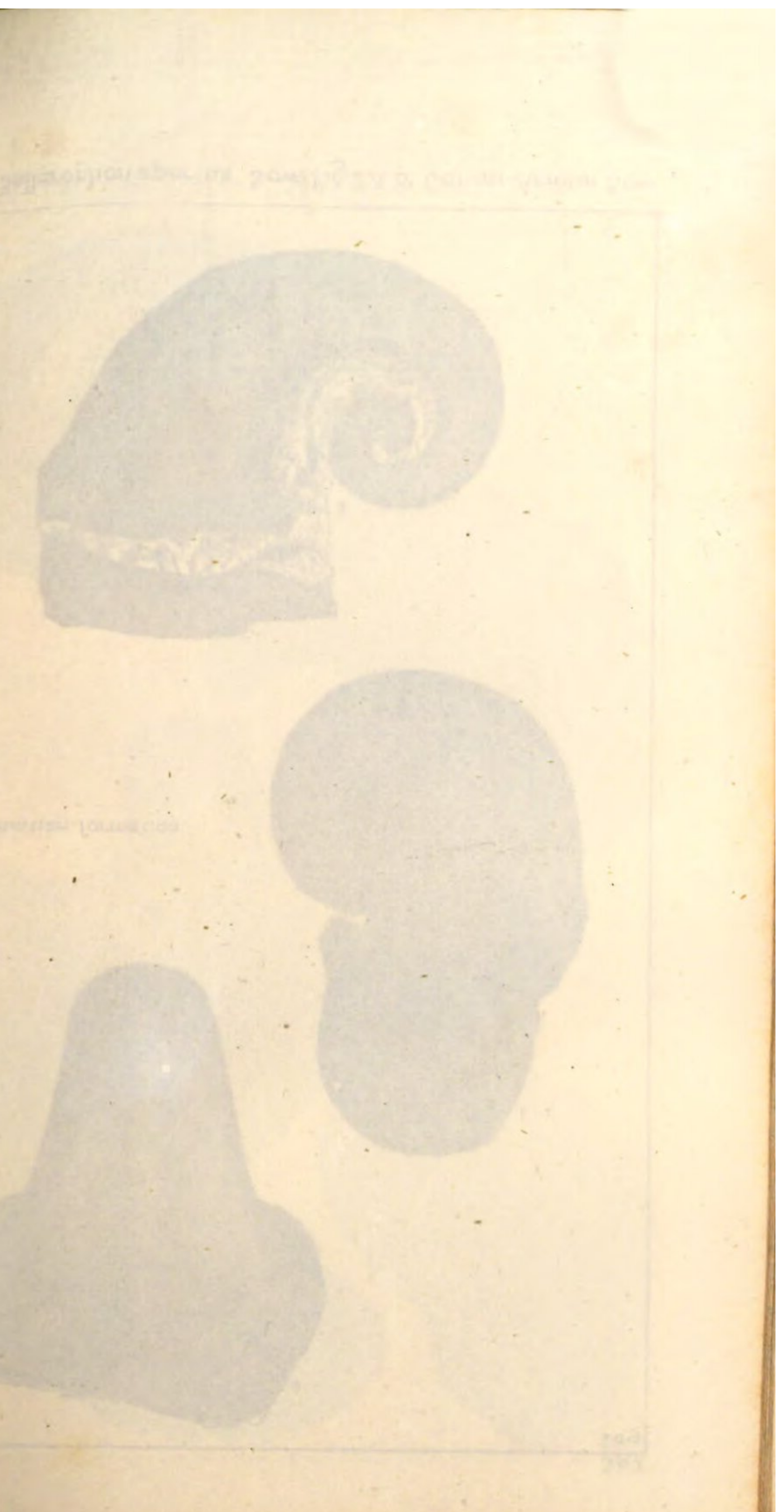
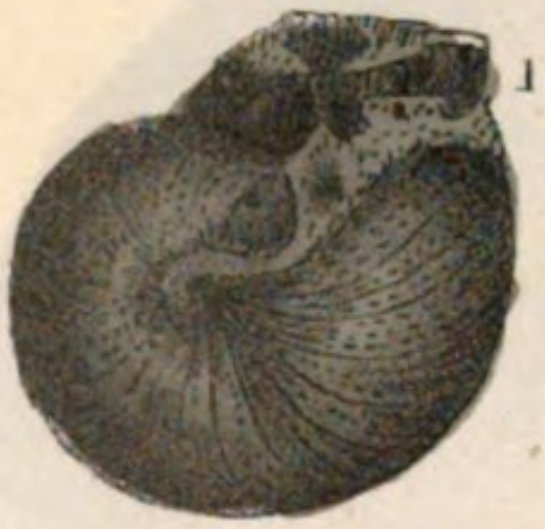


Fig.1.2. Ostrea solitaria Sow.- Fig.3.4.5 O. macroptera Sow.

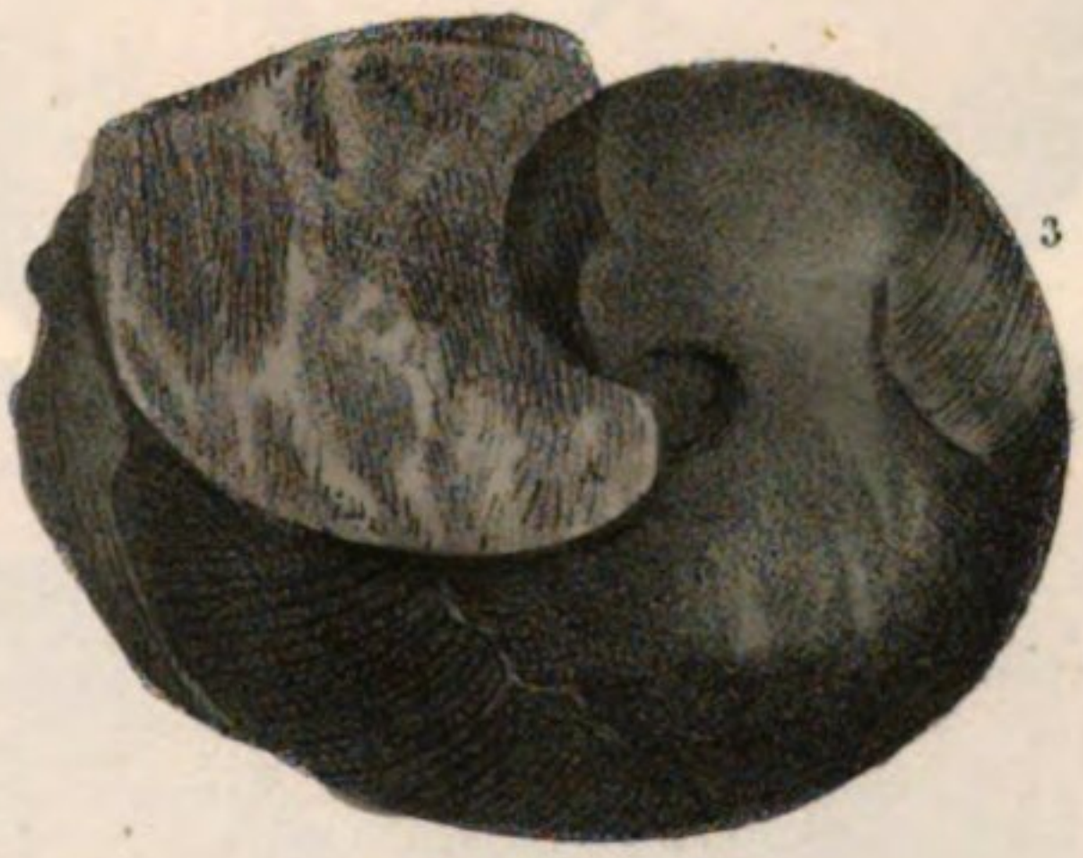
Transition-formation.

Fig. 1 Bellerophon apertus Sow. Fig. 2.3 B. Cornu-Arietis Sow.





Mountain limestone.



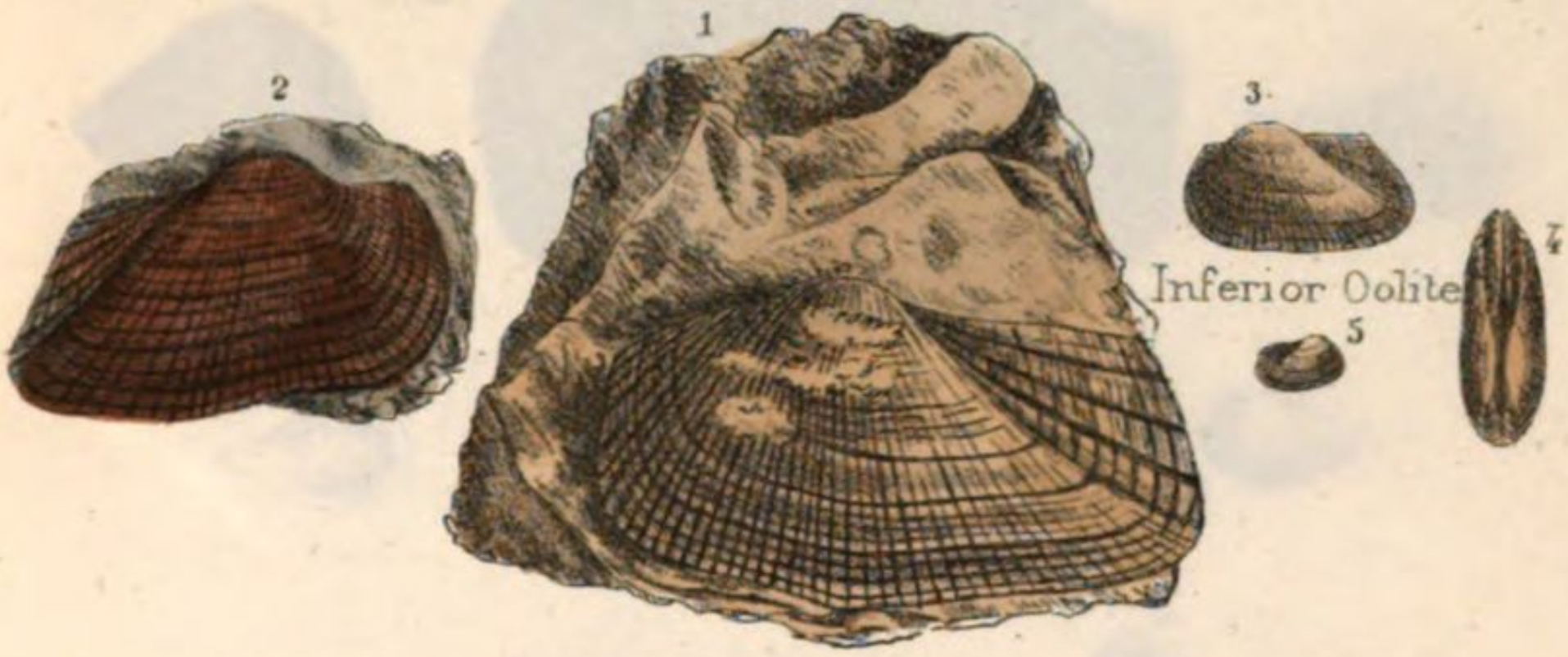
Mountain-limestone.

Fig. 1.2 Bellerophon hiulcus Sow. Fig. 3 4 B. tenuifascia Sow.
Fig. 5.6 B. costatus Sow.

Pectunculus variabilis Sow.

Fig. 1. 2. Pectunculus brevirostris Sow. Fig. 3. 4 P. scalaris Sow.
Fig. 5. 6. P. sublaevis Sow. Fig. 7. P. umbonatus Sow. Fig. 8. 9 P. minimus Sow.
Fig. 10. 11. 12. P oblongus Sow.

473.



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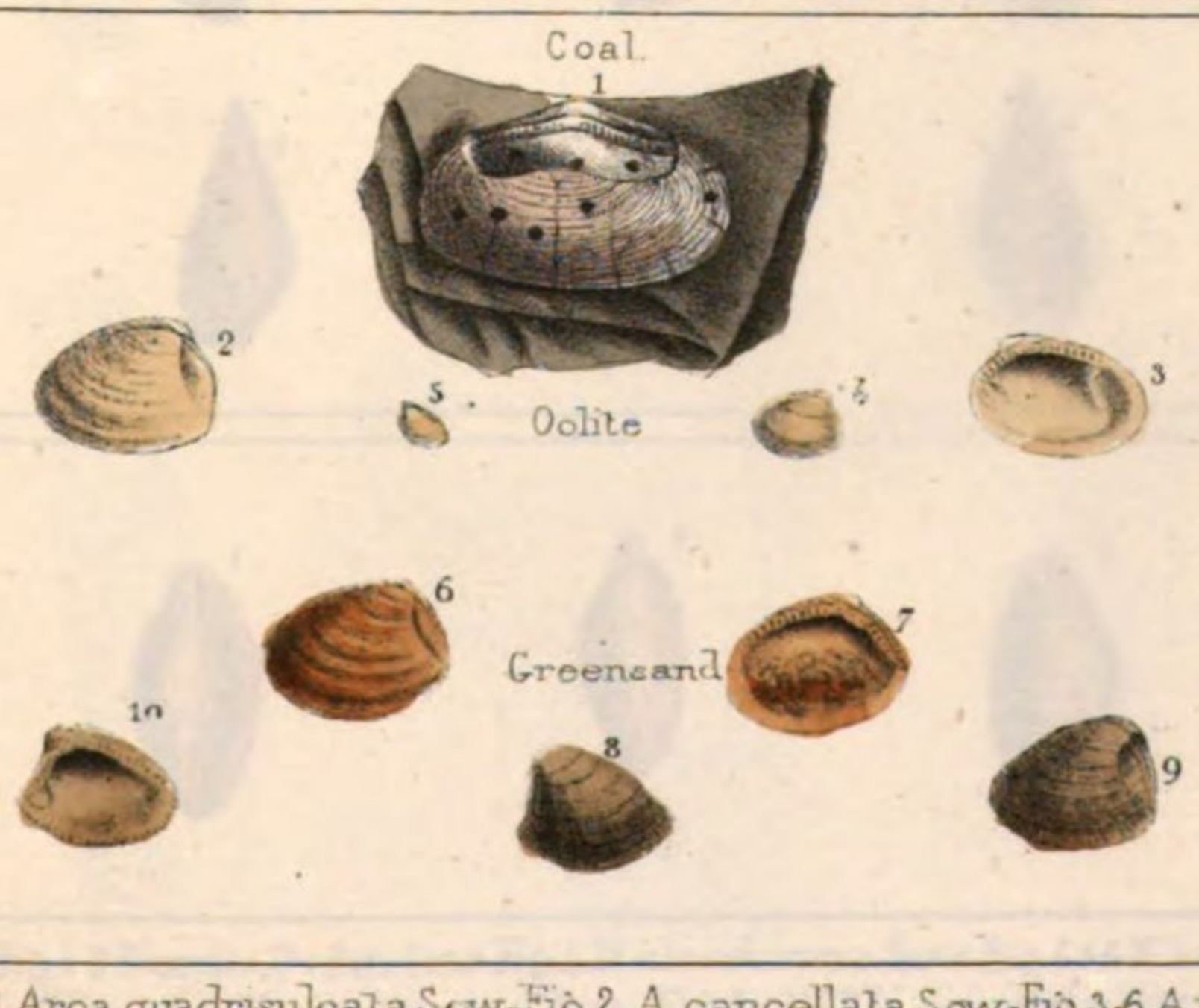
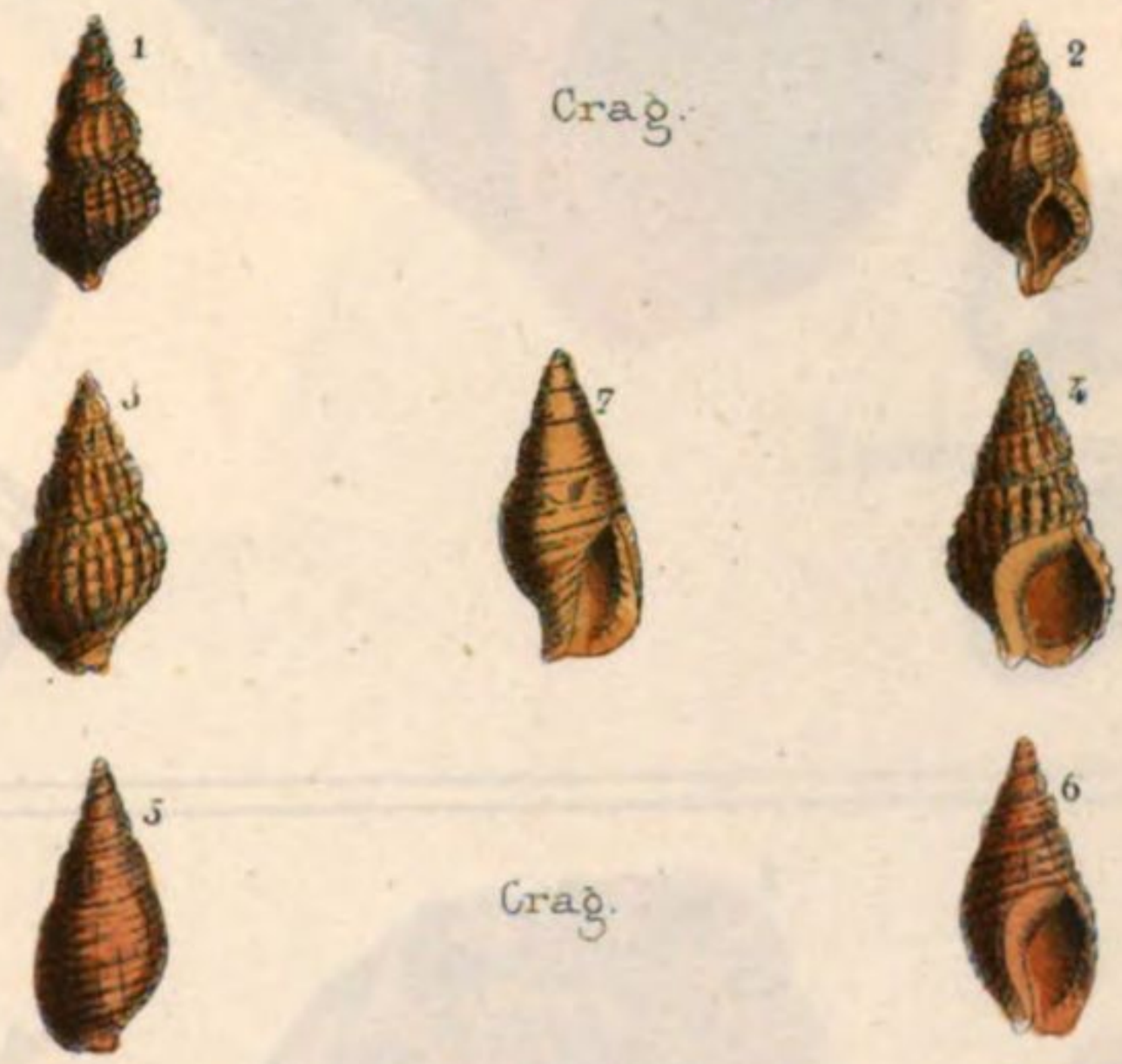
475.



Tab. 473. Fig. 1. Arca quadrisulcata Sow. Fig. 2. A. cancellata Sow. Fig. 3-6 A. pulchra Sow.
Tab. 474. Fig. 1. 2. 3 Arca duplicata Sow. Fig. 4 A. tumida Sow. Fig. 5. 6. A. depressa Sow.
Tab. 475. Fig. 1. Nucula Palmae Sow. Fig. 2. 3. 4. 5. N. variabilis Sow.
Fig. 6. 7. N. impressa Sow. Fig. 8. 9. 10. N. antiquata Sow.

476.

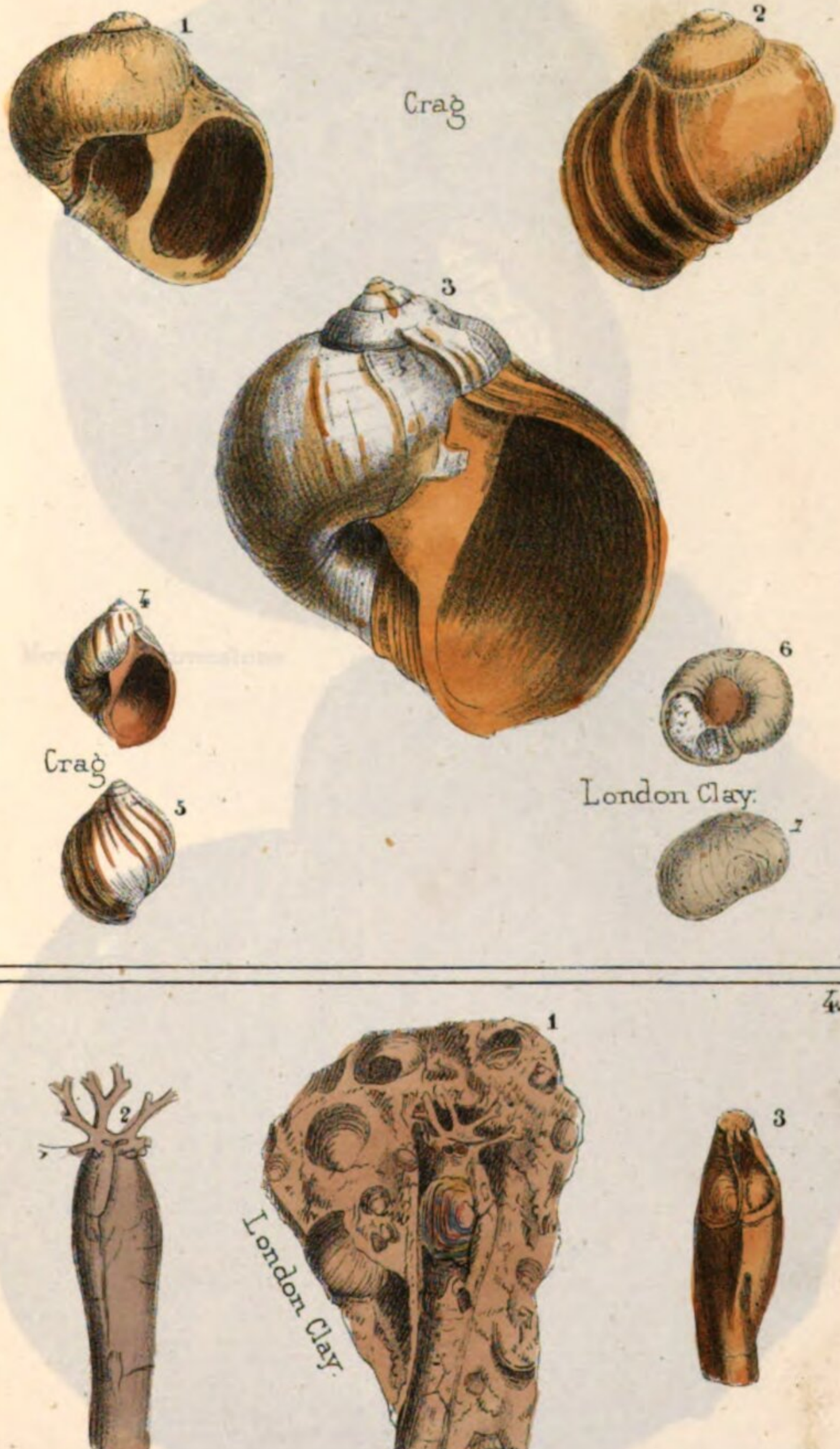
477.



478

Tab. 476. Fig. 1. 2. Nucula Ovum Sow. Fig. 3. N. claviformis Sow. Fig. 4. 5. 6. N. Lacryma Sow. Fig. 7. 8. 9. N. mucronata Sow. Fig. 10. 11. 12. N. angulata Sow.
Tab. 477. Fig. 1. 2. Buccinum elegans Sow. Fig. 3. 4. B. propinquum. Sow. Fig. 5. 6. B. labiosum Sow. Fig. 7. B. sulcatum Sow.
Tab. 478. Ovula Leathesi Sow.

479.

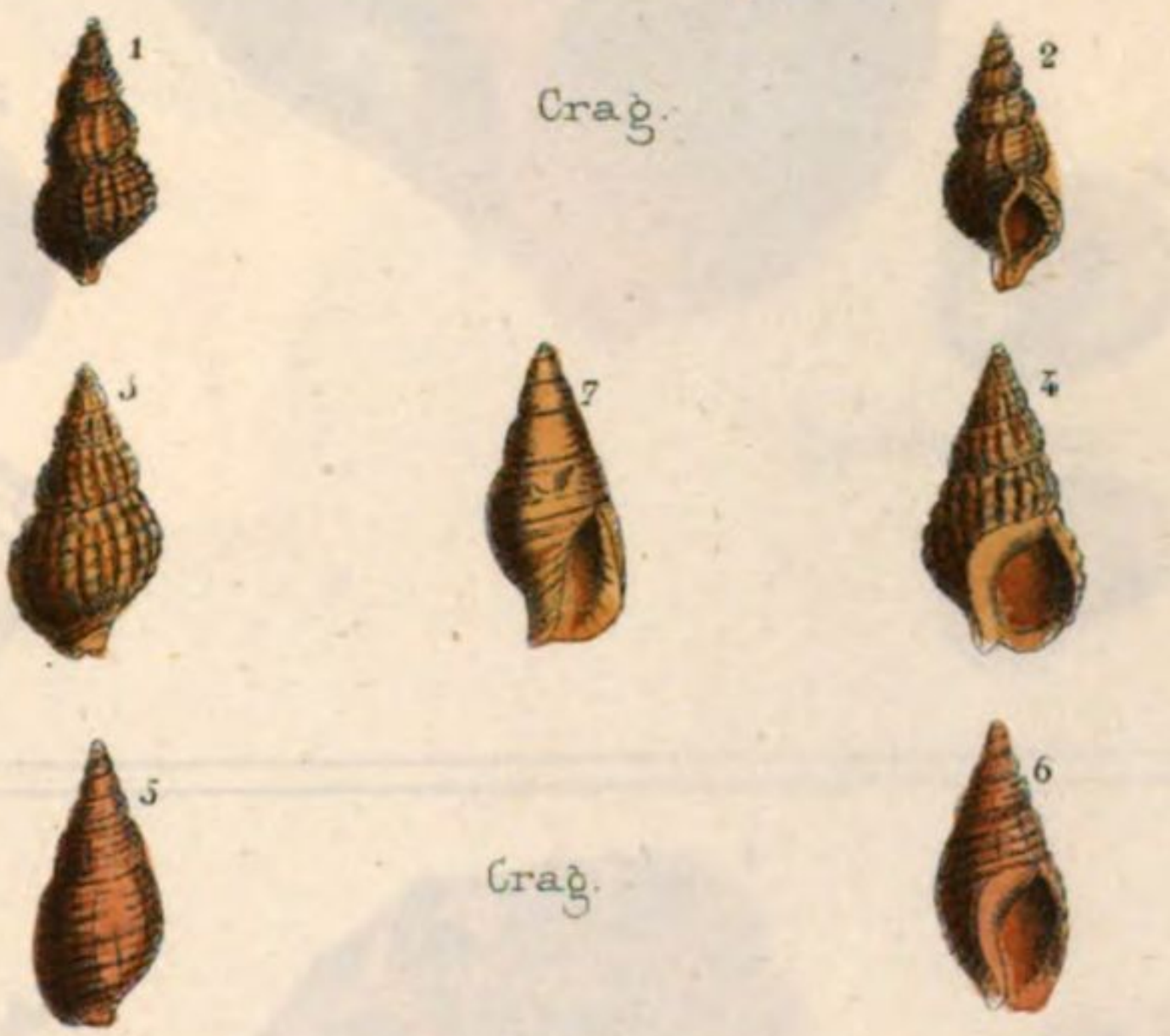


480

Tab. 479 Fig. 1 2. Natica cirriformis Sow. Fig. 3 N. glaucinoides Sow.-
Fig. 4.5 N. hemiclausa Sow.- Fig. 6.7. N. sigaretina Defr.
Tab. 480 Clavagella coronata Desh.

476.

477.



478.

Tab. 476 Fig. 1 2. Nucula Ovum Sow. Fig. 3. N. claviformis Sow. Fig. 4 5 6 N. Lacryma Sow. Fig. 7. 8. 9. N. mucronata Sow. Fig. 10. 11 12. N. angulata Sow.

Tab. 477. Fig. 1. 2. Buccinum elegans Sow. Fig. 3 4 B. propinquum. Sow. Fig. 5. 6. B. labiosum Sow. Fig. 7. B. sulcatum Sow.

Tab. 478 Ovula Leathesi Sow.

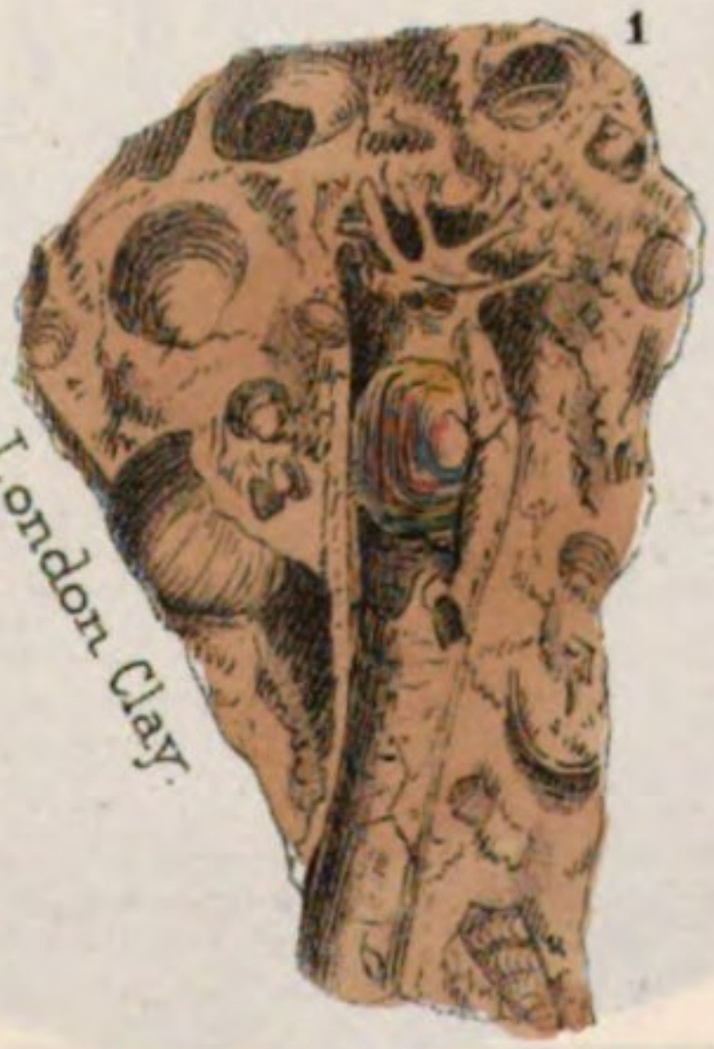
479.

Crag

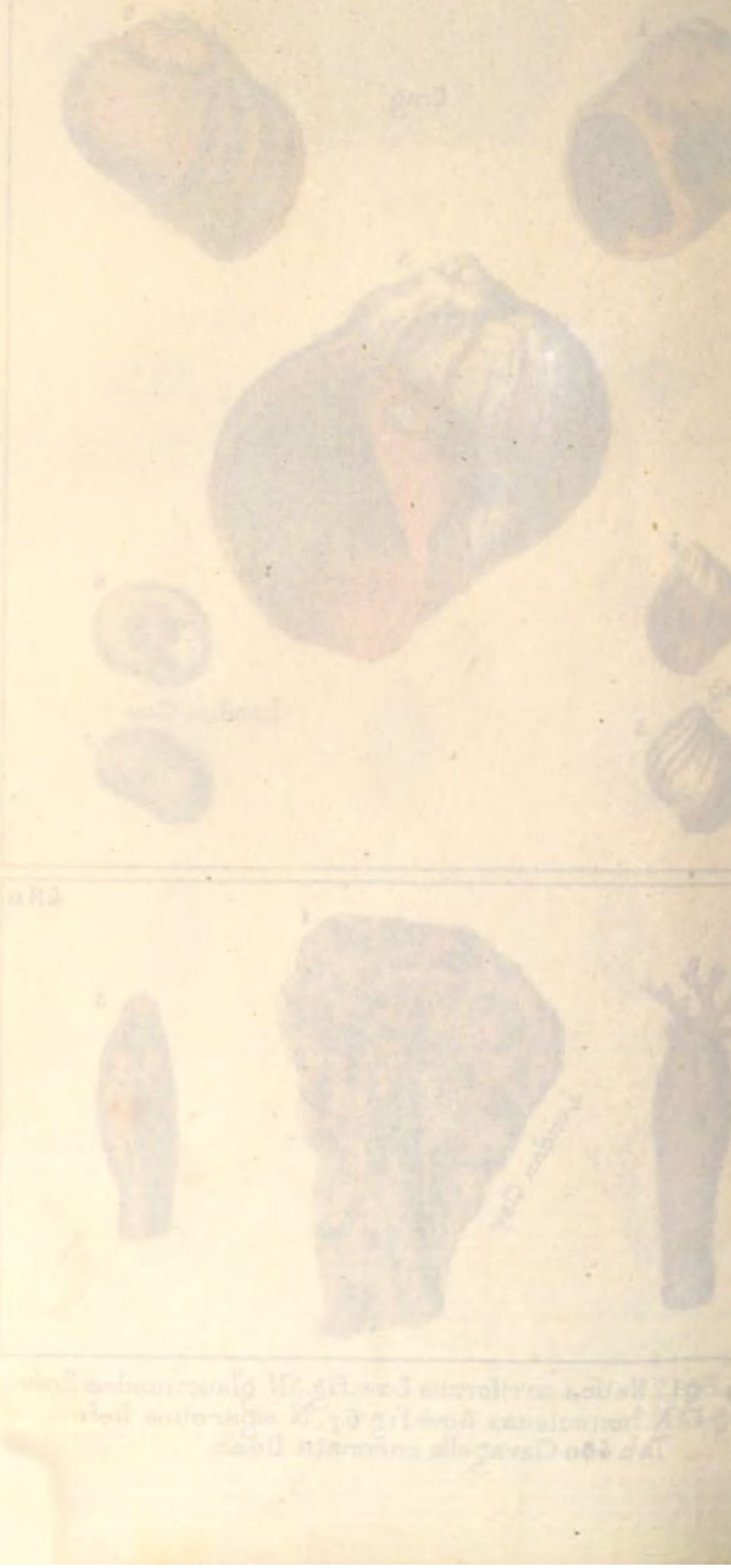
Crag

London Clay.

480



Tab. 479 Fig. 1. 2. Natica cirriformis Sow. Fig. 3 N. glaucinoides Sow.-
Fig. 4. 5 N. hemiclausa Sow.- Fig. 6. 7. N. sigaretina Defr.
Tab. **480** Clavagella coronata Desh.



1

Mountain-Limestone.

2

Nautilus globatus Sow.

Mountain-Limestone.

1

2

4

Mountain-Limestone.

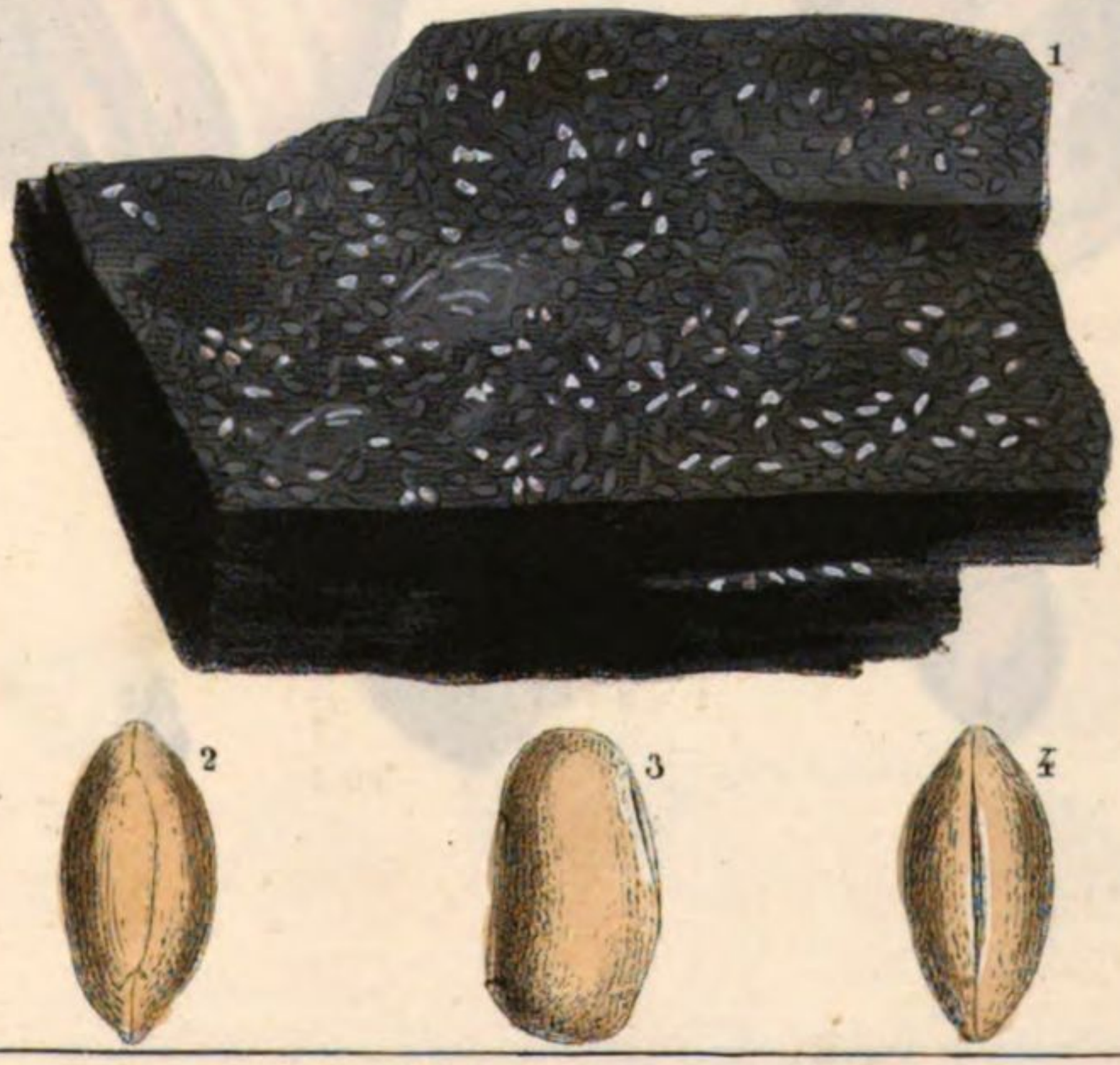
3

Fig. 1. 2. Nautilus multicarinatus Sow. Fig. 3. 4 N. cariniferus Sow.

483.

484.

485.



Tab. **483** Fissurella gracca Lam.

Tab. **484** Fig. 1 Patella lata Sow. Fig. 2. 3. 4. P. ancyloides Sow. Fig. 5. 6. 7 P. nana Sow.

Tab. **485**. Cypris Faba ? Desmar.

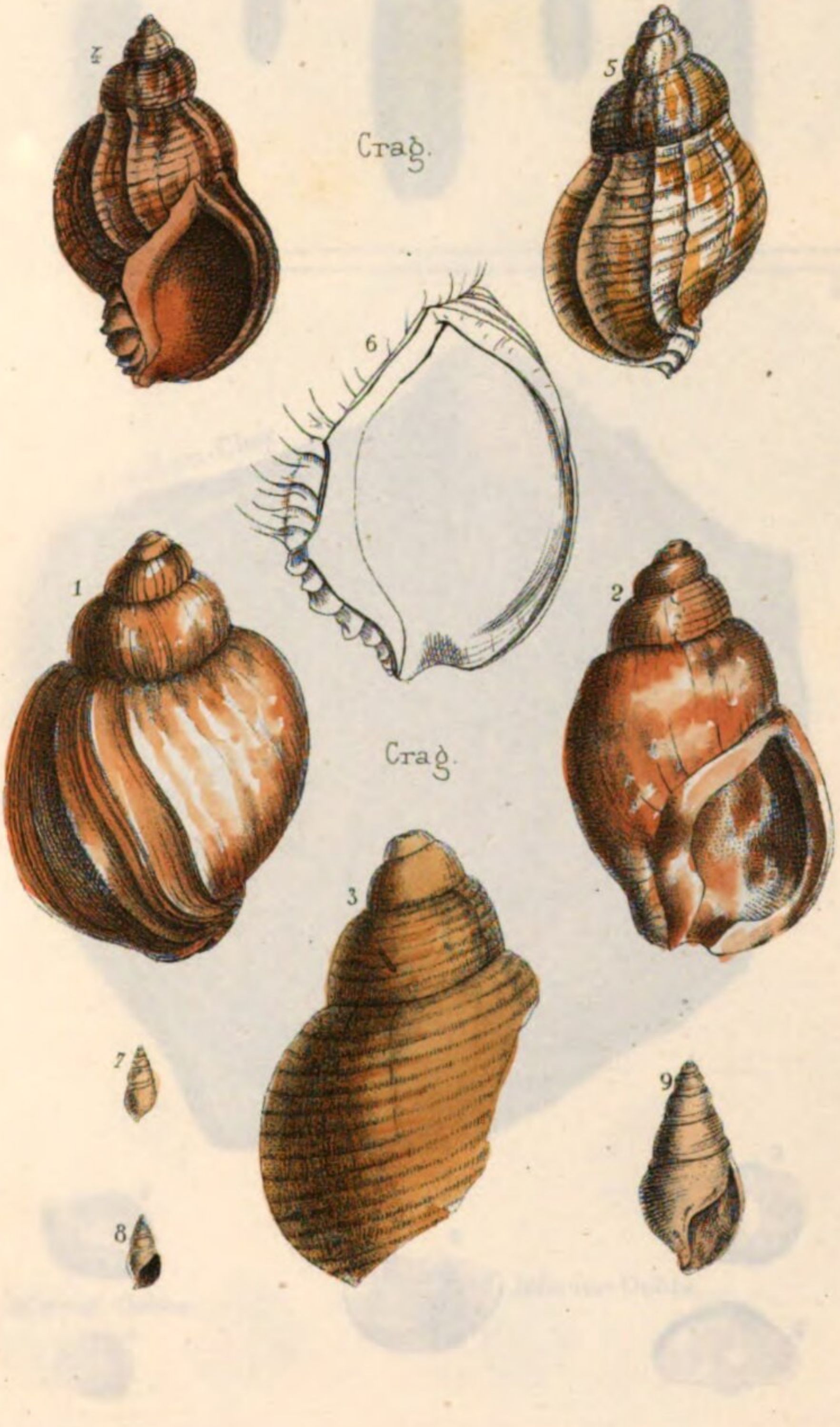


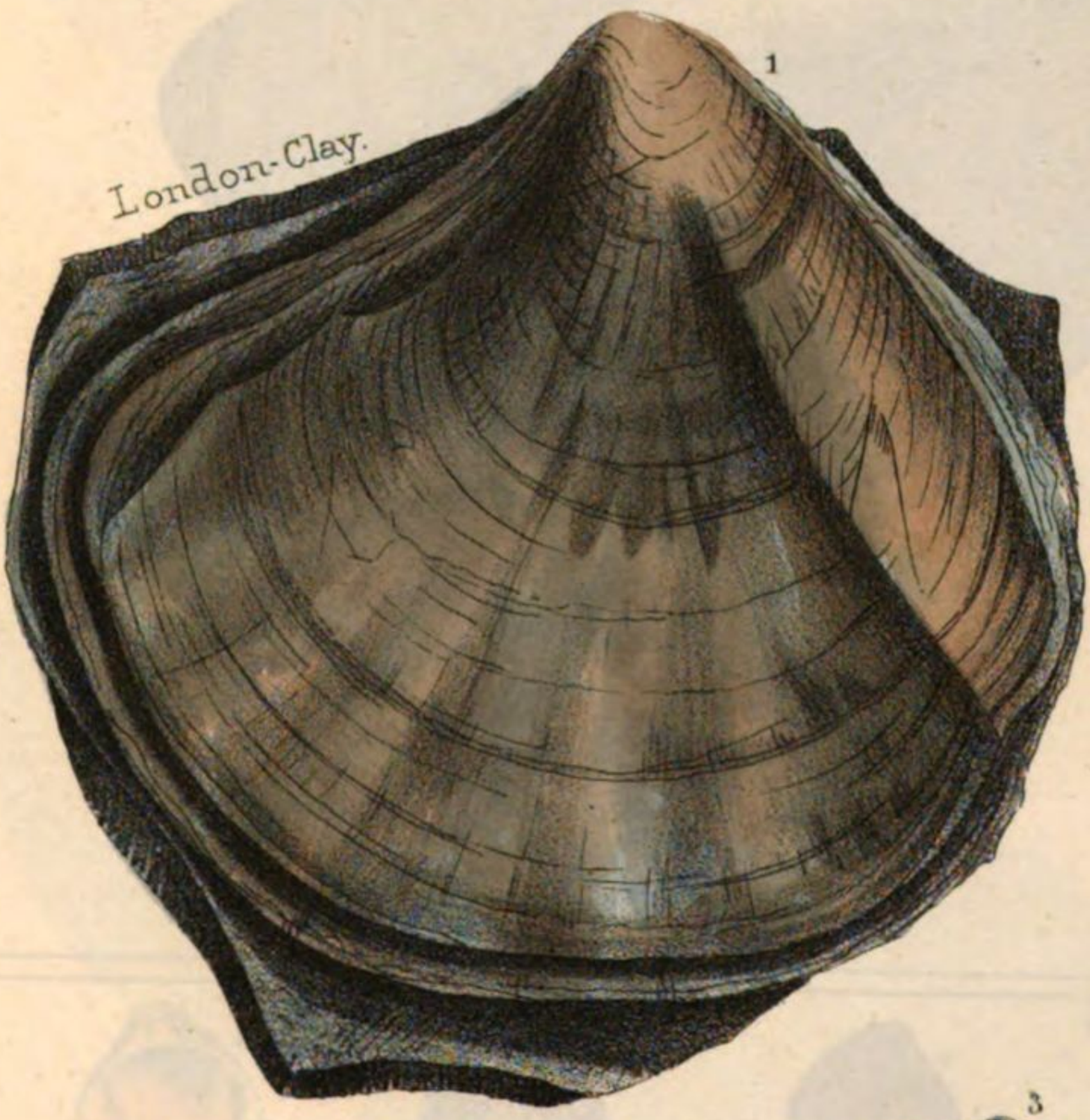
Fig. 1.2.3. Buccinum Dalei Sow. - Fig. 4.5.6. B. tenerum. Sow. -
Fig. 7.8.9. B. unilineatum Sow.

487.

London-Clay.

488.

London-Clay.



Inferior-Oolite.

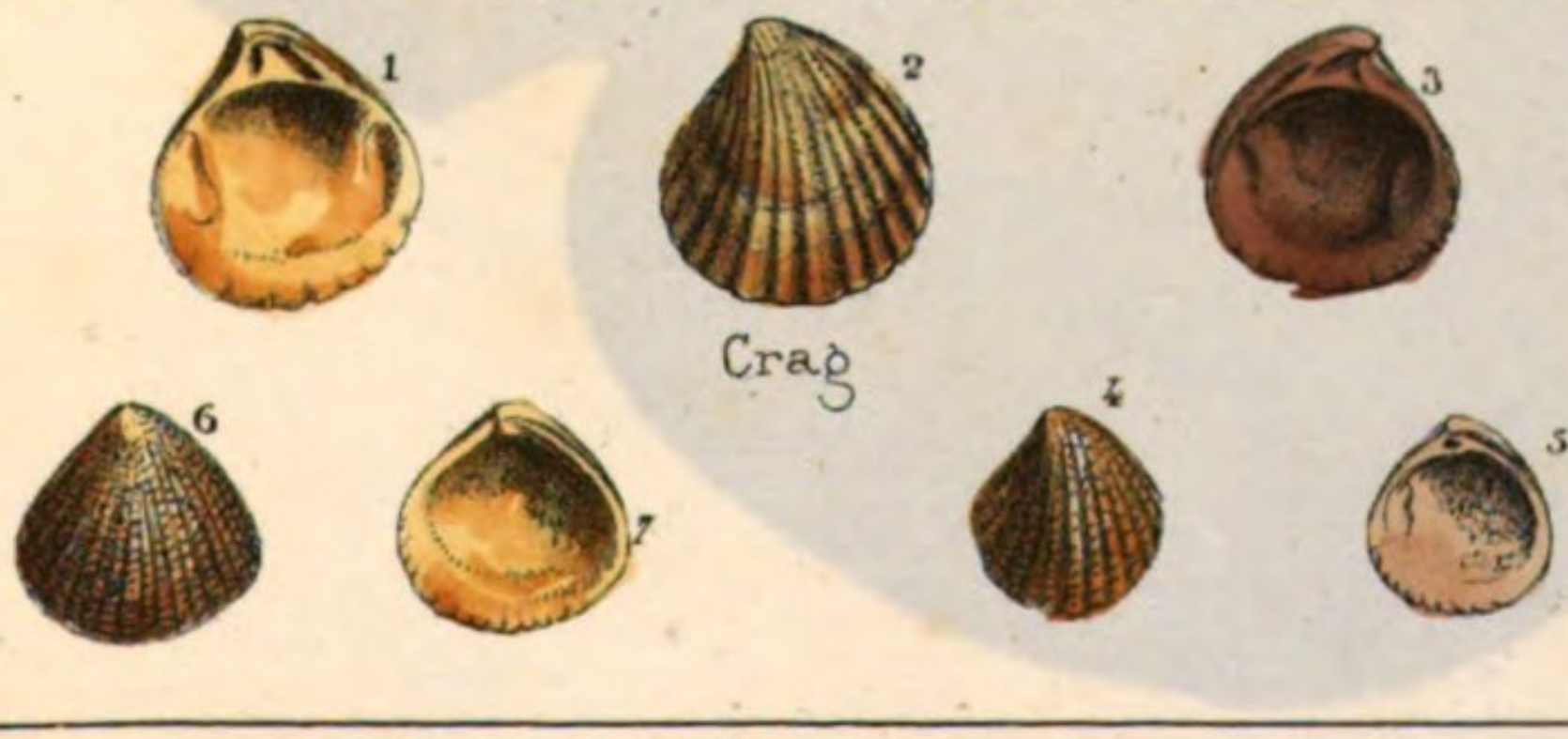
Inferior-Oolite.

Tab. 487 Volvaria acutiuscula Sow.

Tab. 488. Fig. 1. Ostrea lacviuscula Sow. Fig. 2.3.4. O. obscura Sow.
Fig. 5.6. O. costata Sow.

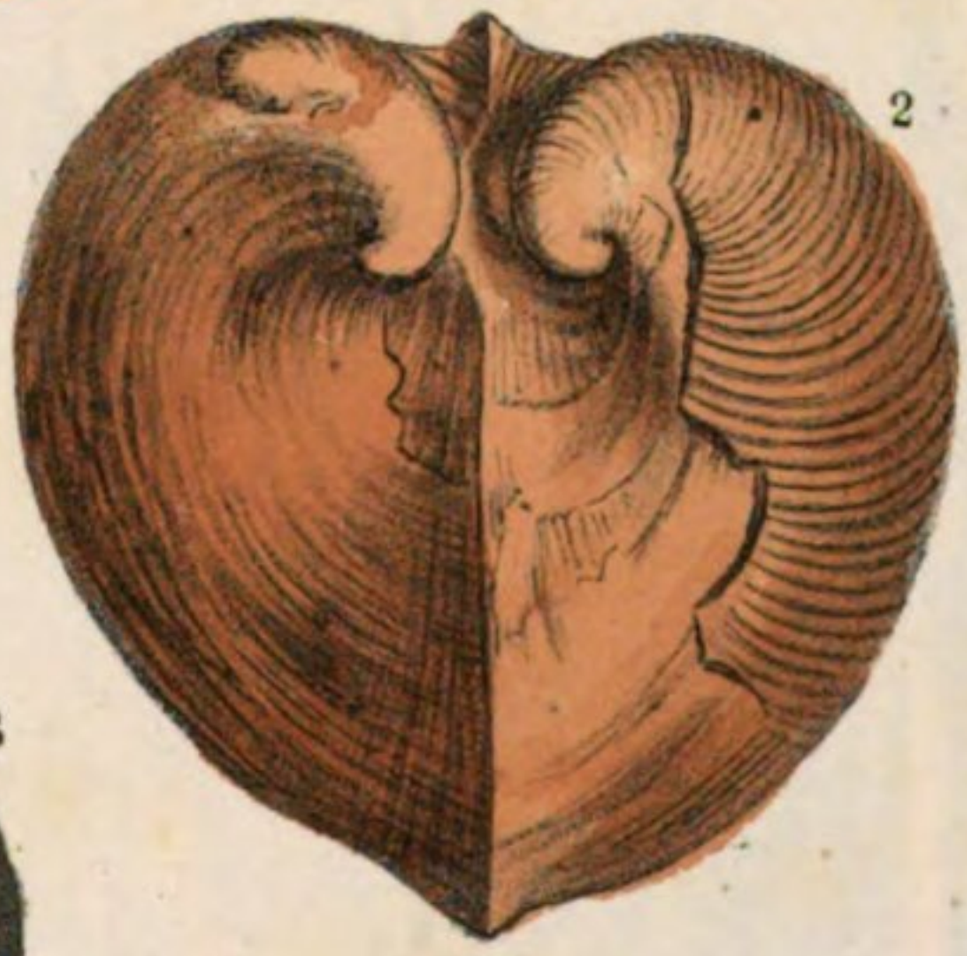
489.

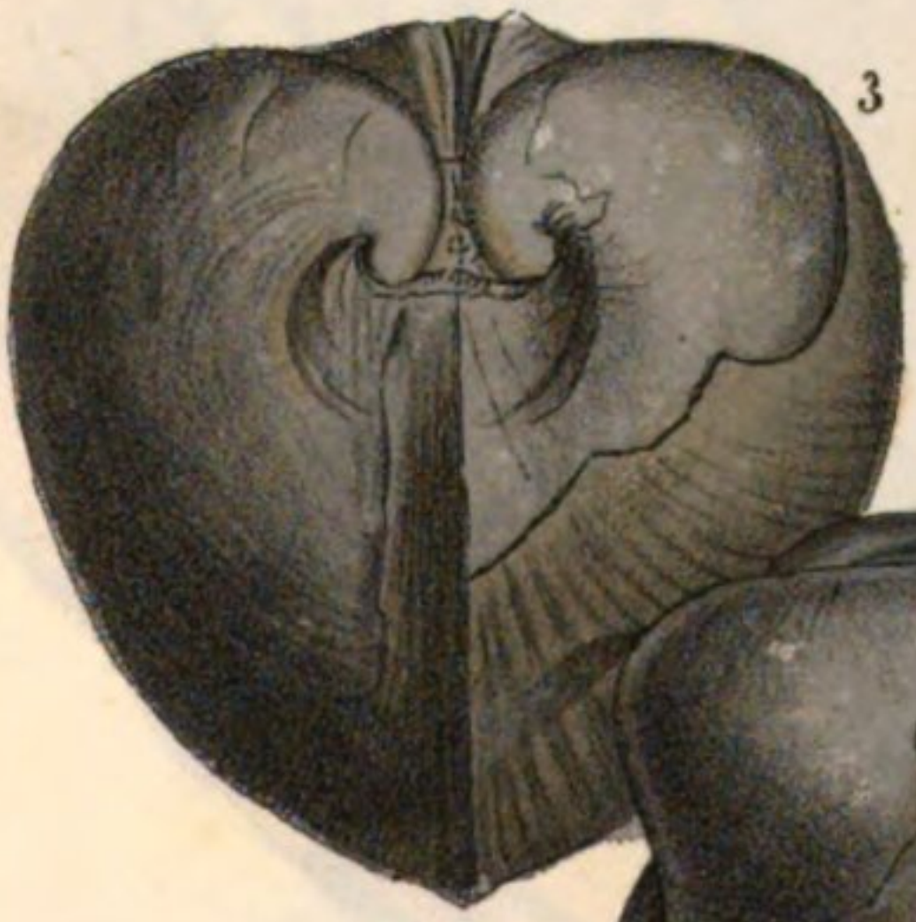
490.



Tab. 489. Fig. 1. 2 Ostrea semiplana Sow. Fig. 3. 4. O. dorsata Desh.
Tab. 490 Fig. 1. 2. 3 Venericardia chamaeformis Sow.
Fig. 4. 5. V. orbicularis Sow. Fig. 6. 7. V. scalaris. Sow.

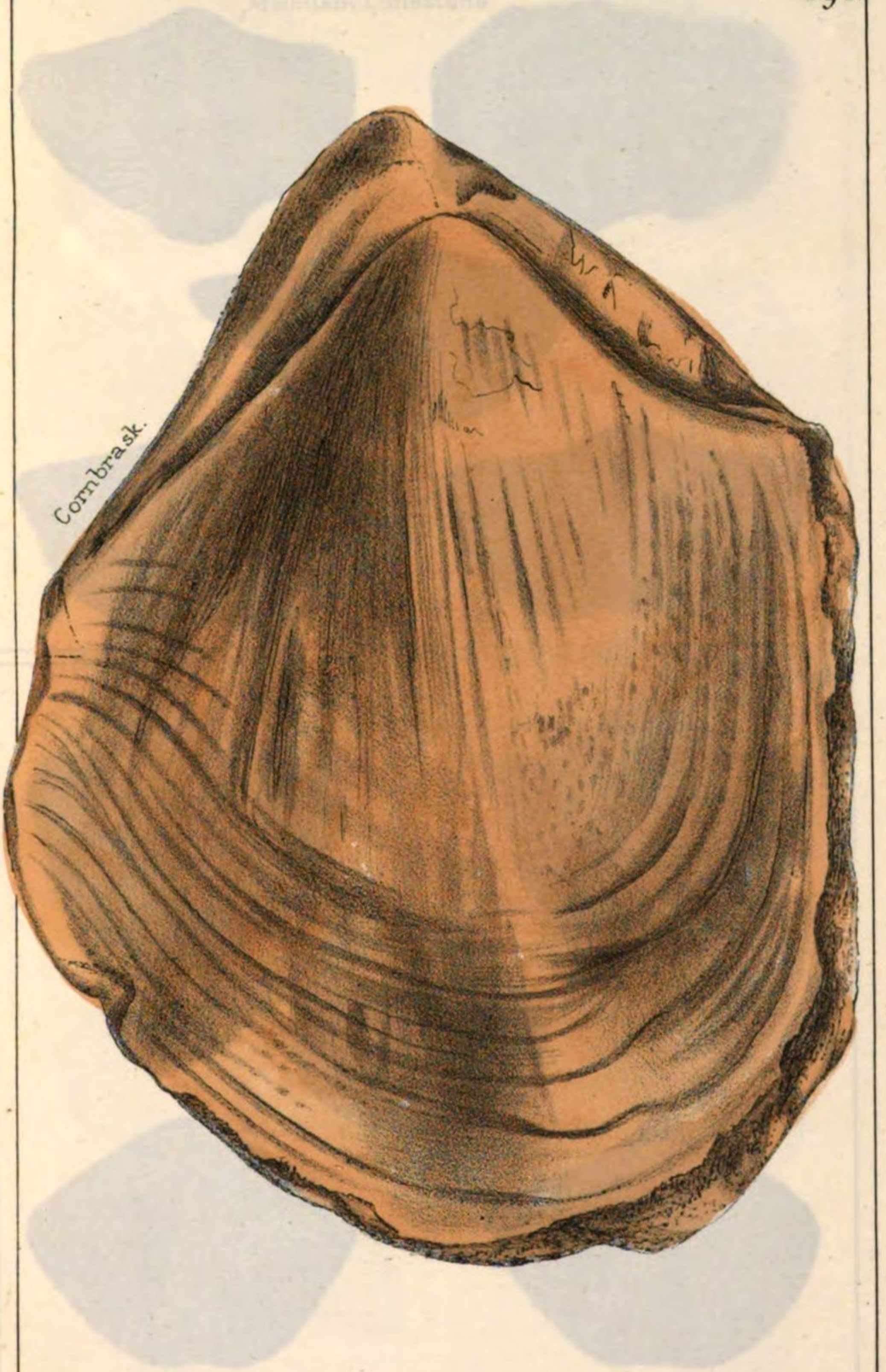
Cornbrash.





Transition.

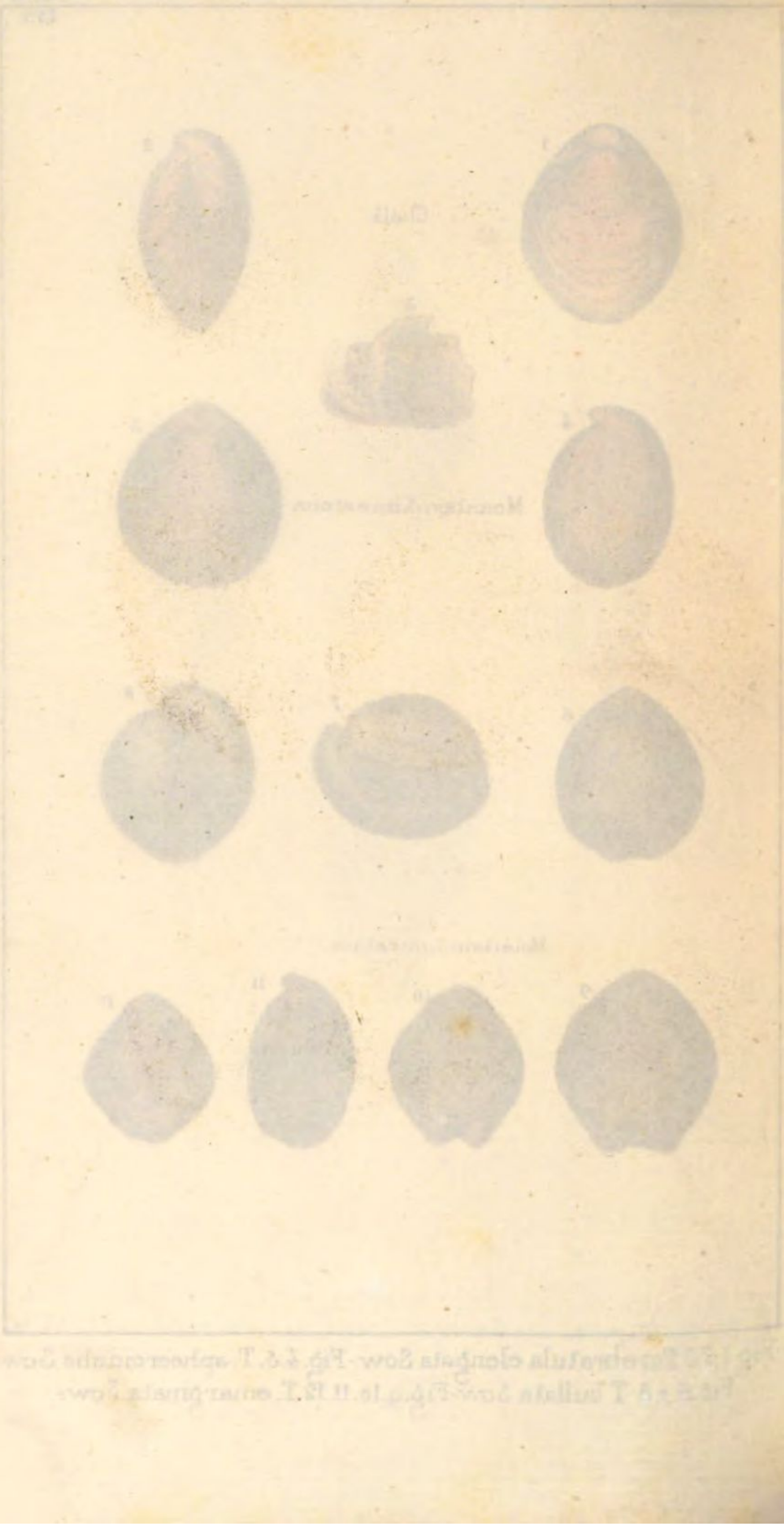
Fig. 1. 2. Isocardia concentrica Sow. Fig. 3. 4. I. oblonga Sow.



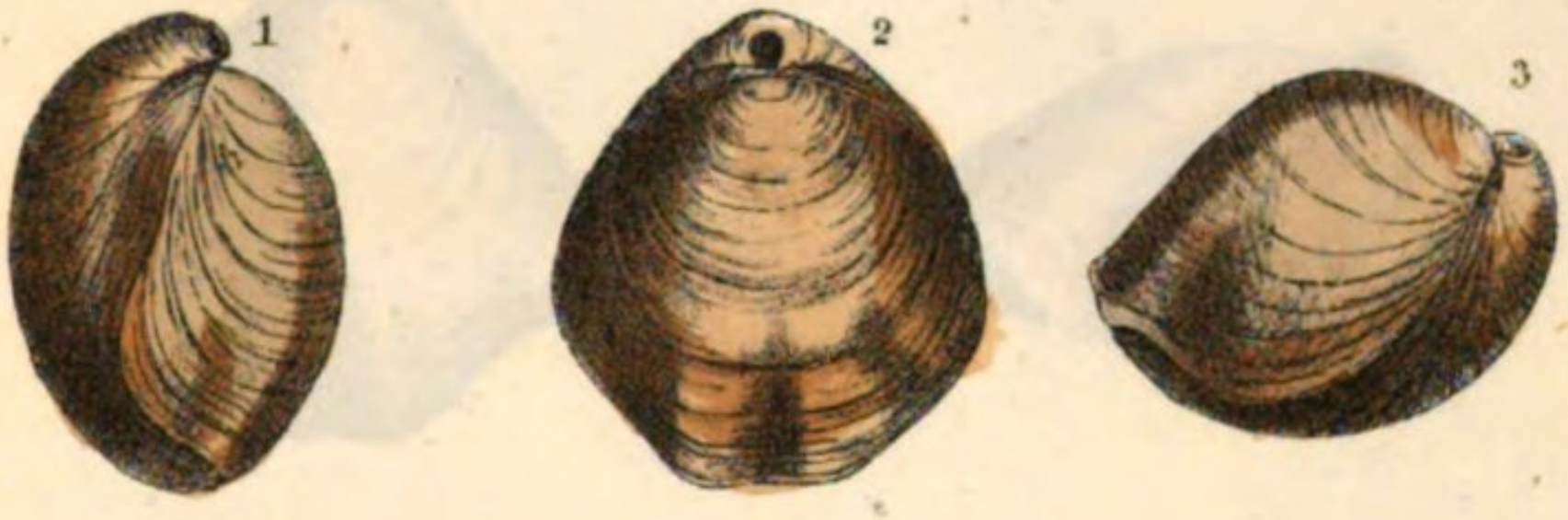
Perna quadrata Sow.

Fig. 1. 2 Murex Peruvianus Sow.-Fig. 3. 4. M. tortuosus Sow.

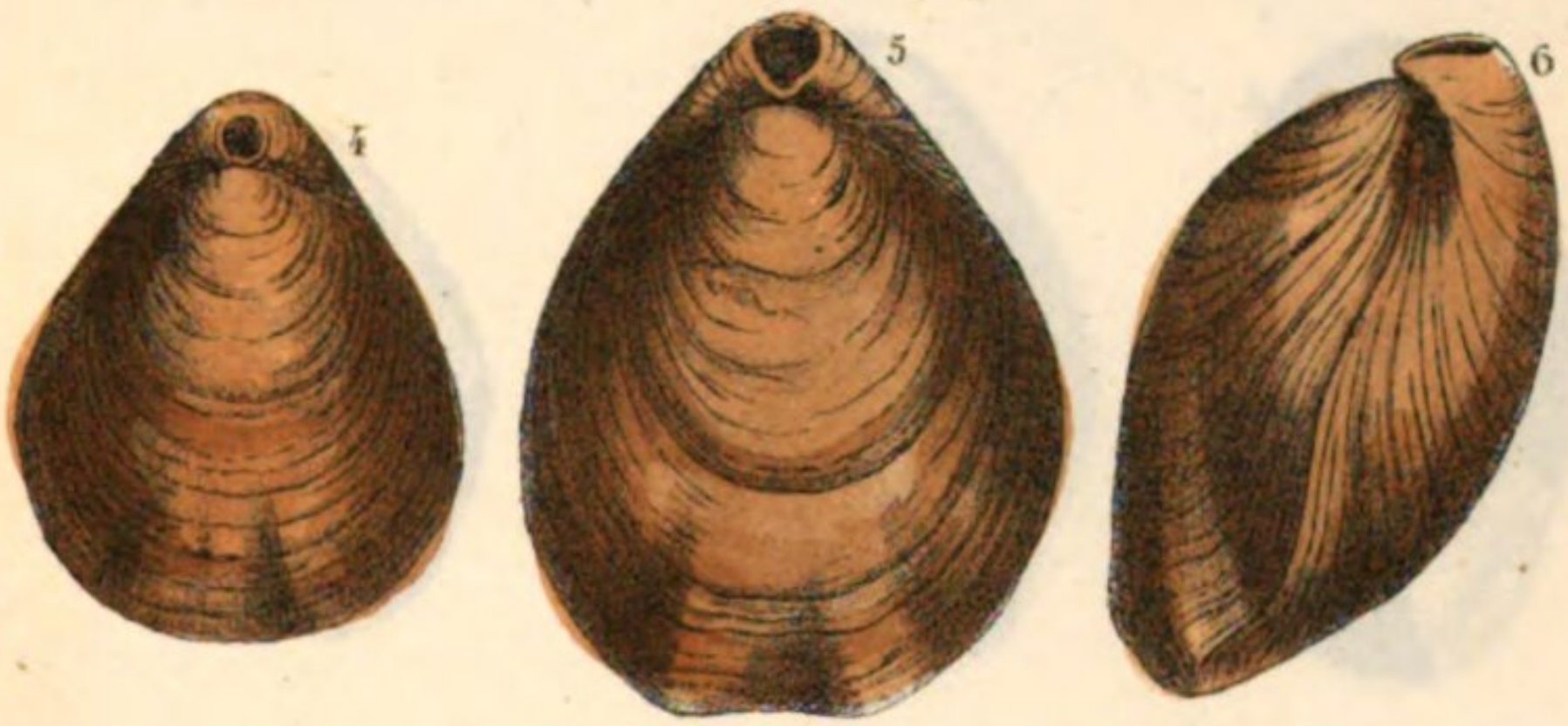
Fig. 1. 2. 3 Terebratula elongata Sow.- Fig. 4. 5. T. sphaeroidalis Sow.
Fig. 6. 7. 8 T. bullata Sow.- Fig. 9. 10. 11 12. T. emarginata Sow.



Mountain-Limestone.



Inferior Oolite



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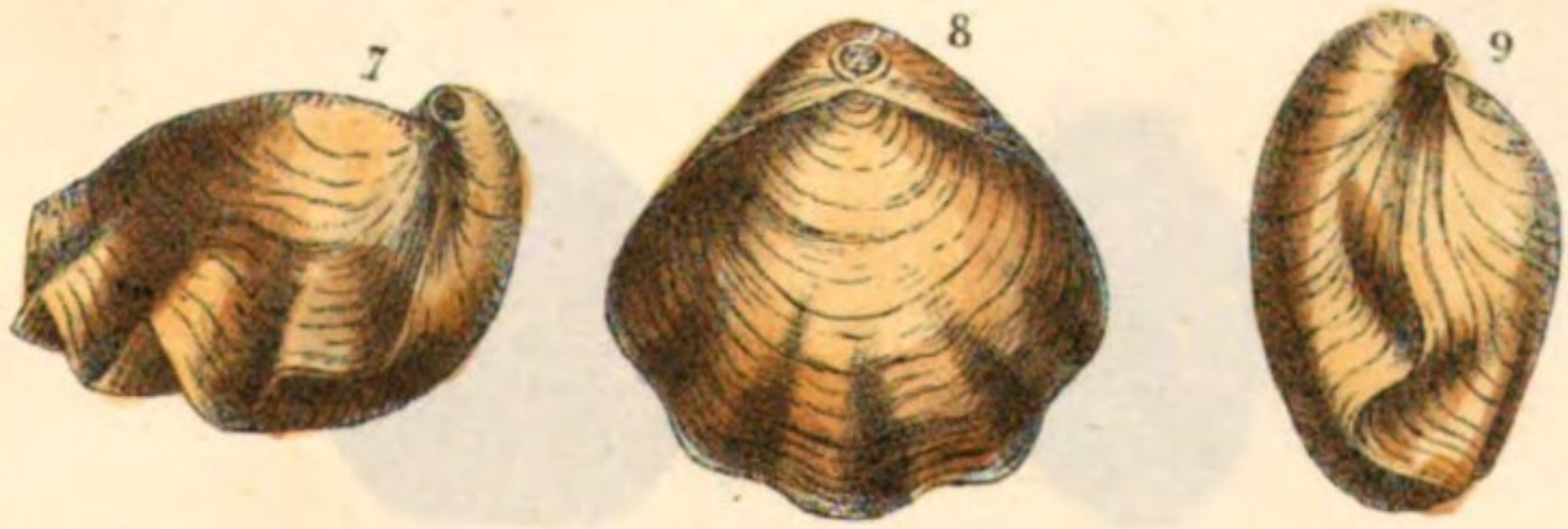
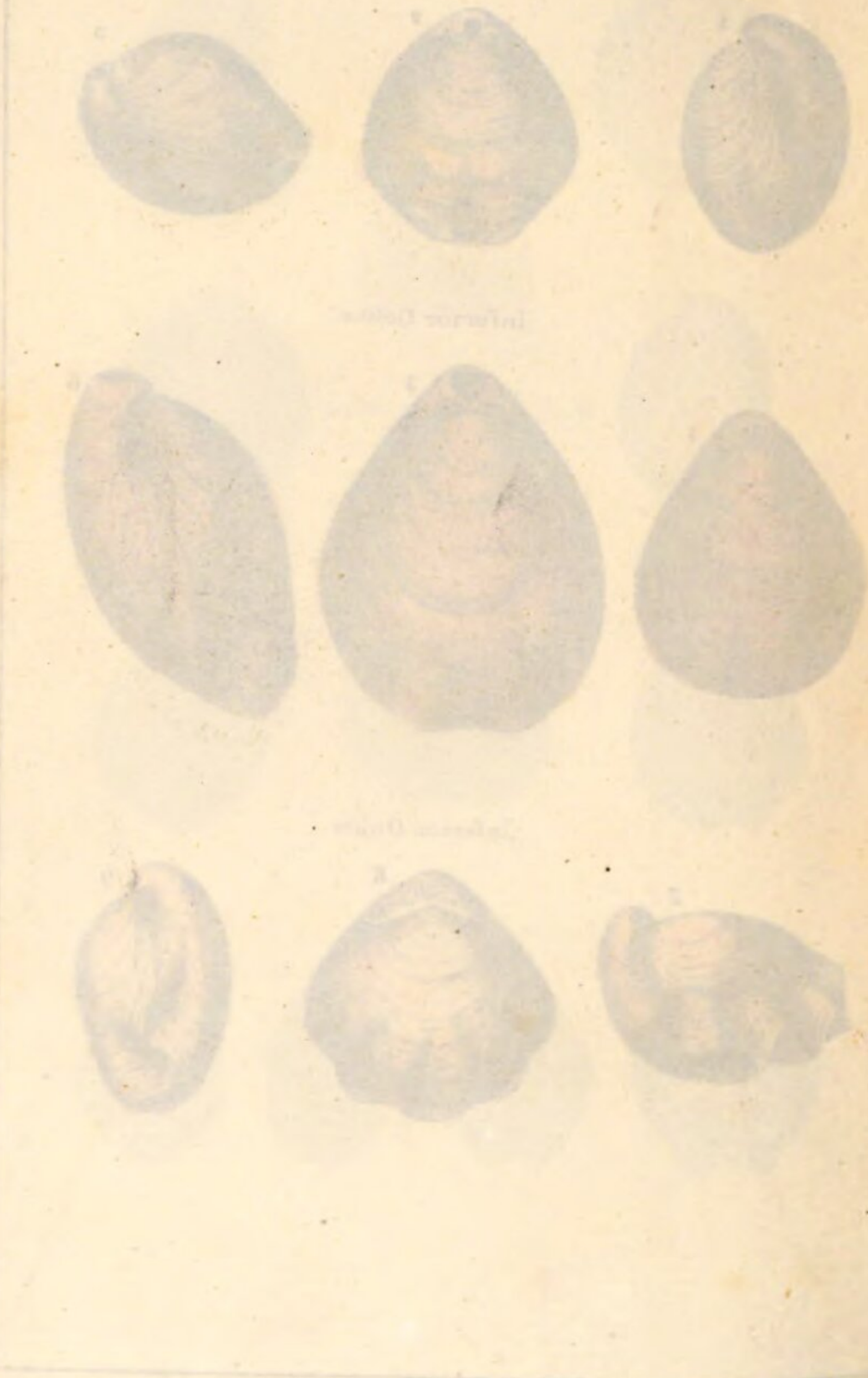
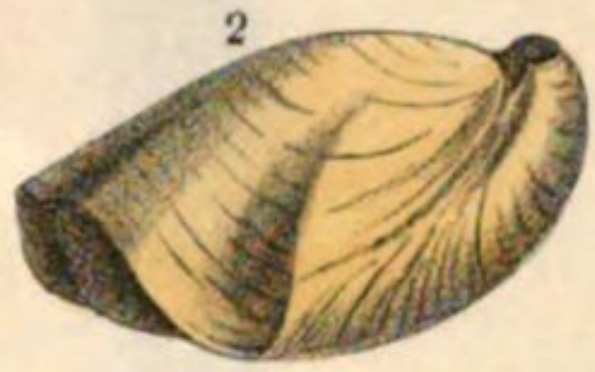


Fig. 1. 2. 3 Terebratula globata Sow. Fig. 4. 5. 6 T. Perovalis Sow.
Fig. 7. 8. 9 T. maxilata Sow.

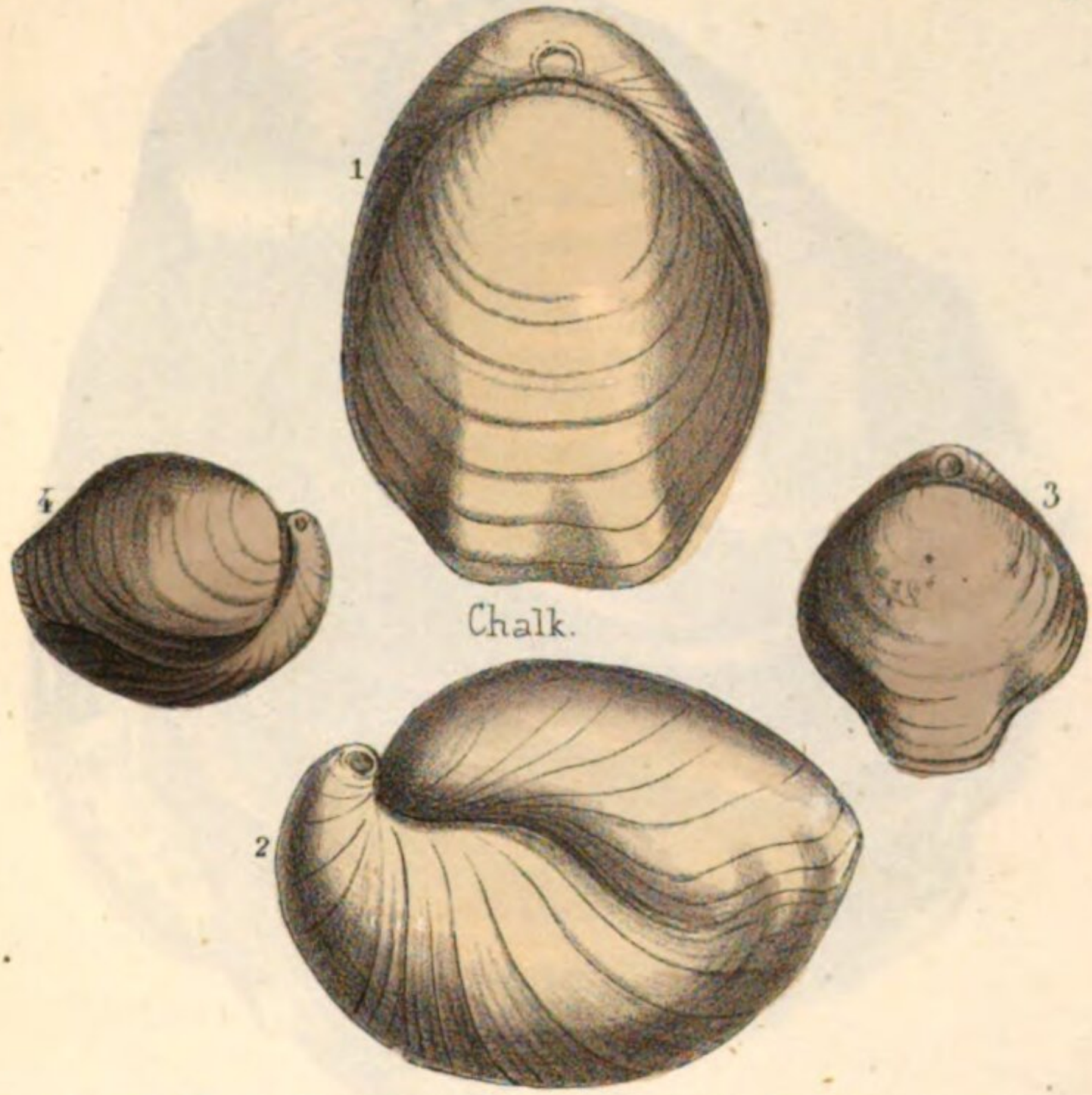




Greensand.

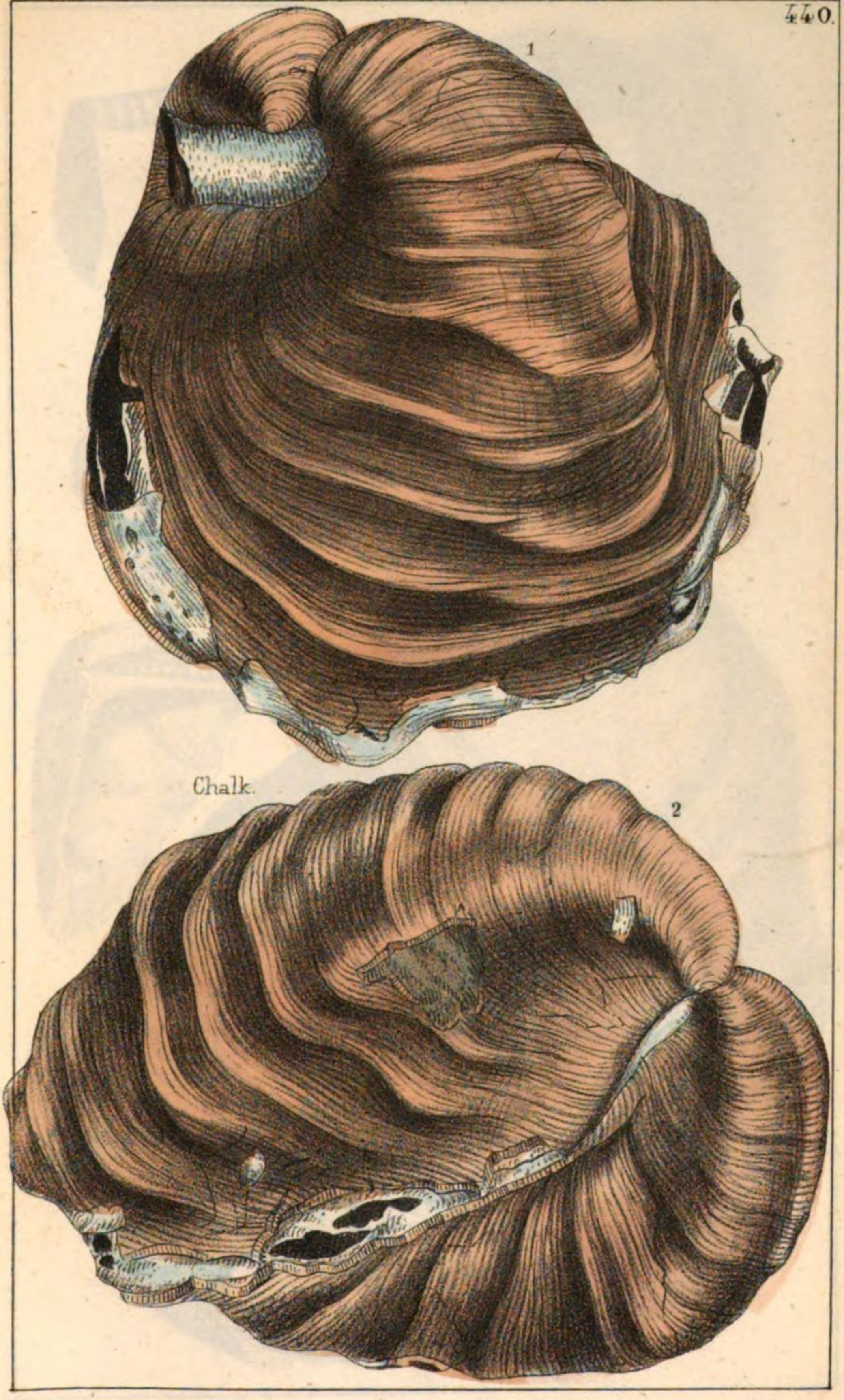
Tab. 437. Fig. 1. 2. Terebratula Sella Sow. - Fig. 6. 7. T. obtusa Sow. - Fig. 3. 4. 5 Terebratula.....

438.



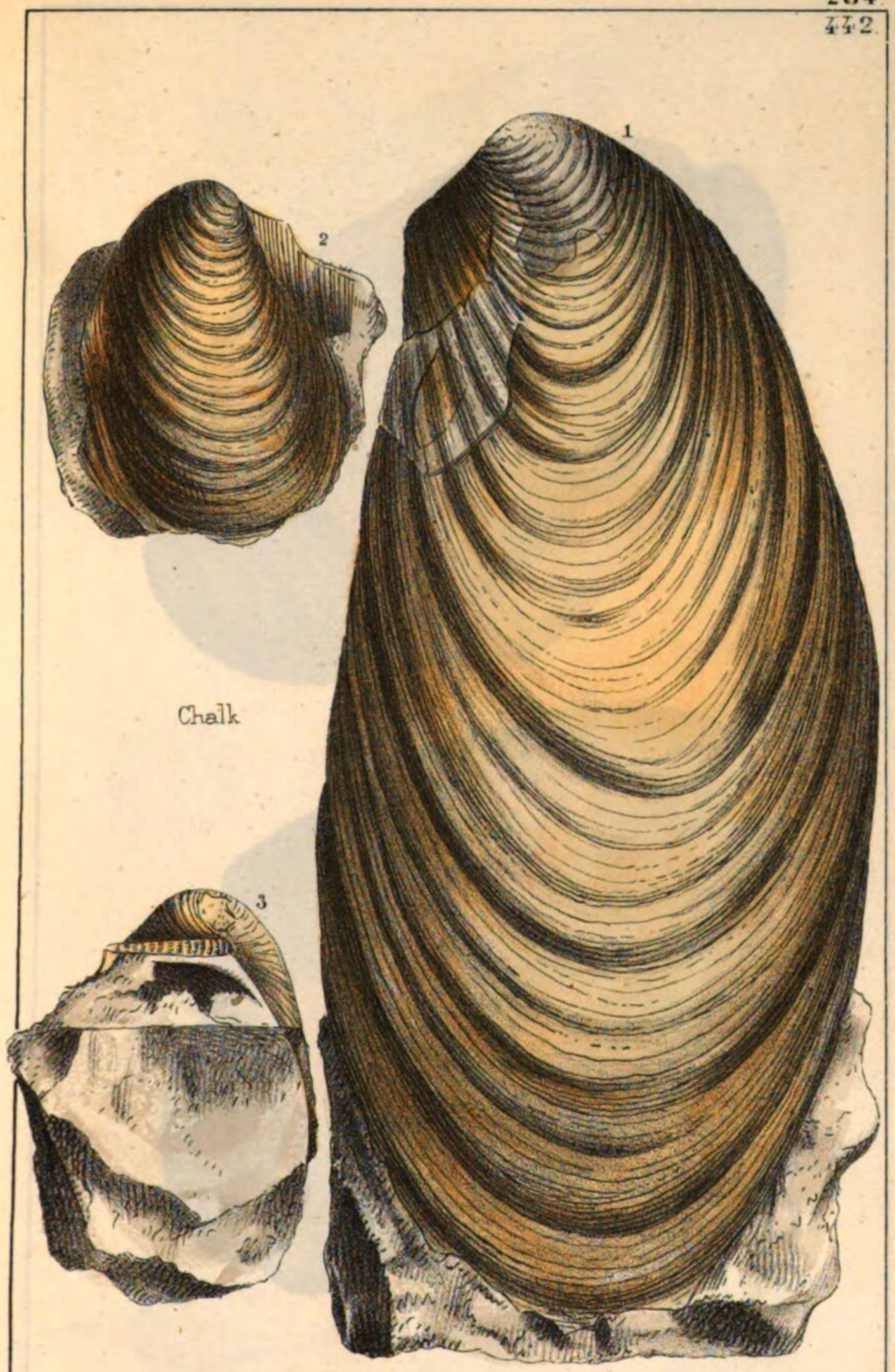
439

Tab. 438. Fig. 1 2 Terebratula obesa Sow.- Fig. 3. 4 T. bucculenta Sow.
Tab. 439. Fig. 1 Mytilus edentulus Sow.- Fig. 2 M. lanceolatus Sow.-
Fig. 3 M. sublaevis Sow.-

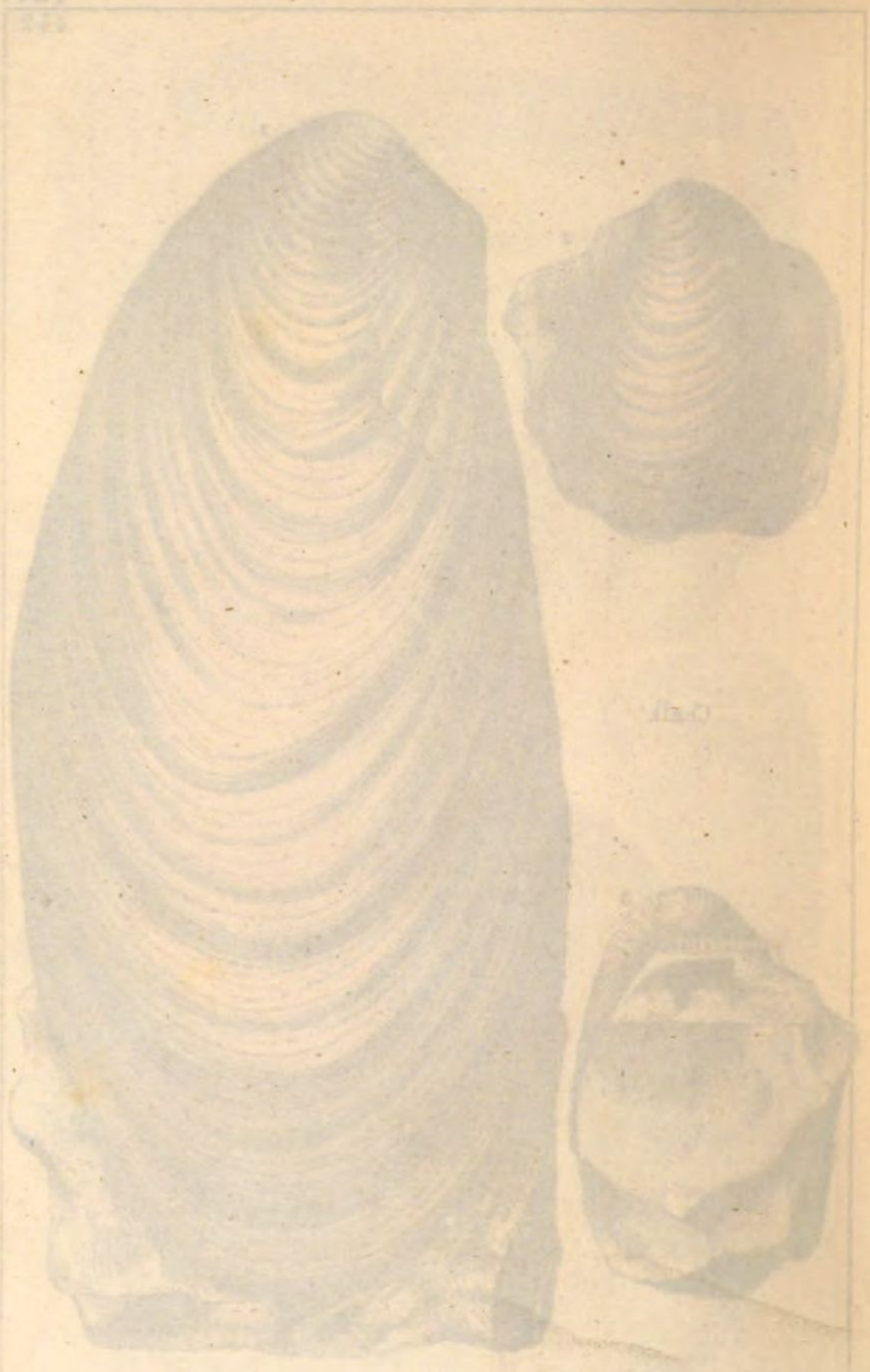


Inoceramus cordiformis Sow.

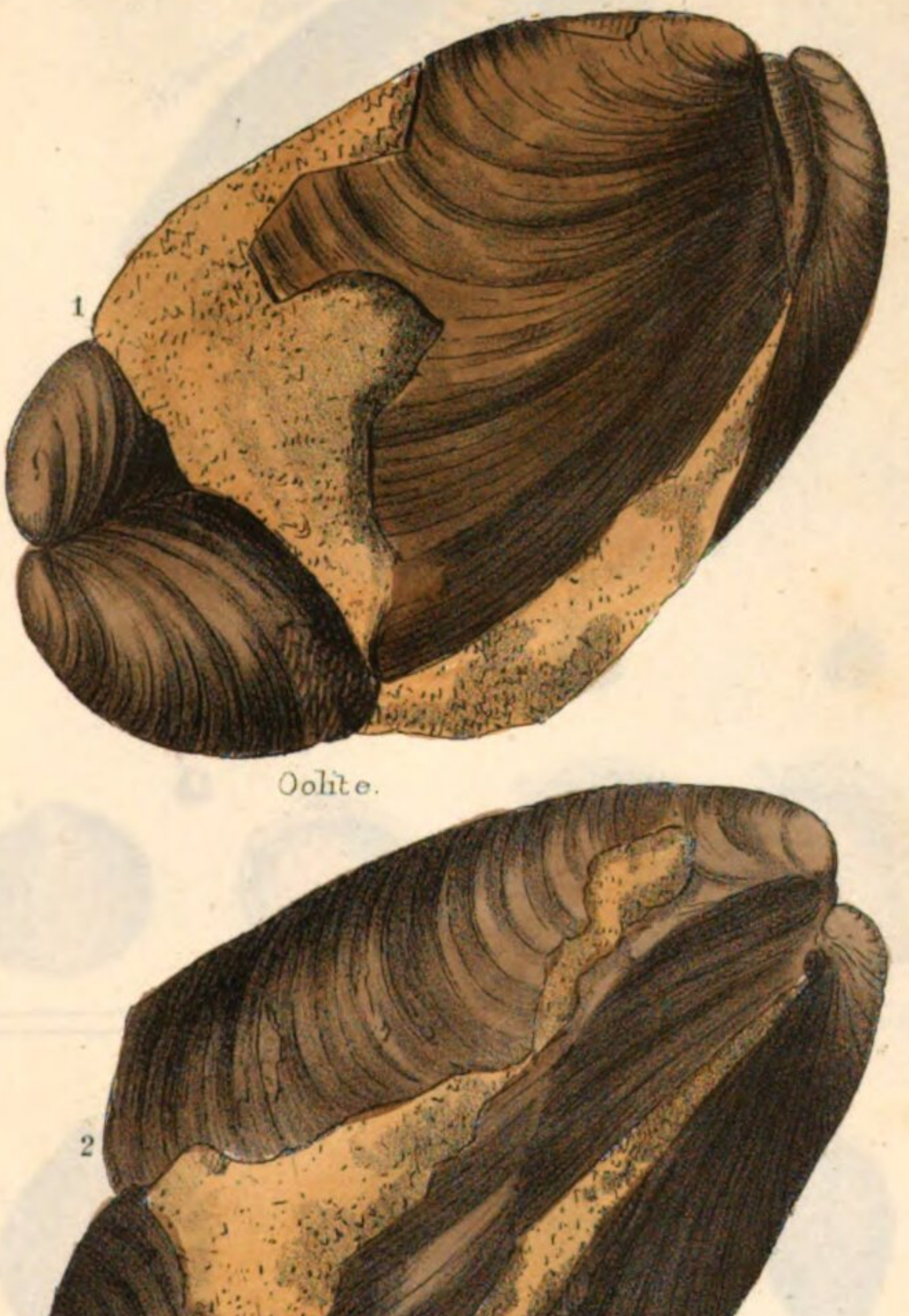
Fig. 1. Inoceramus Cuvieri Sow. Fig. 2.3.4 I. Brongniarti Mant.



Inoceramus mytiloides Mant.

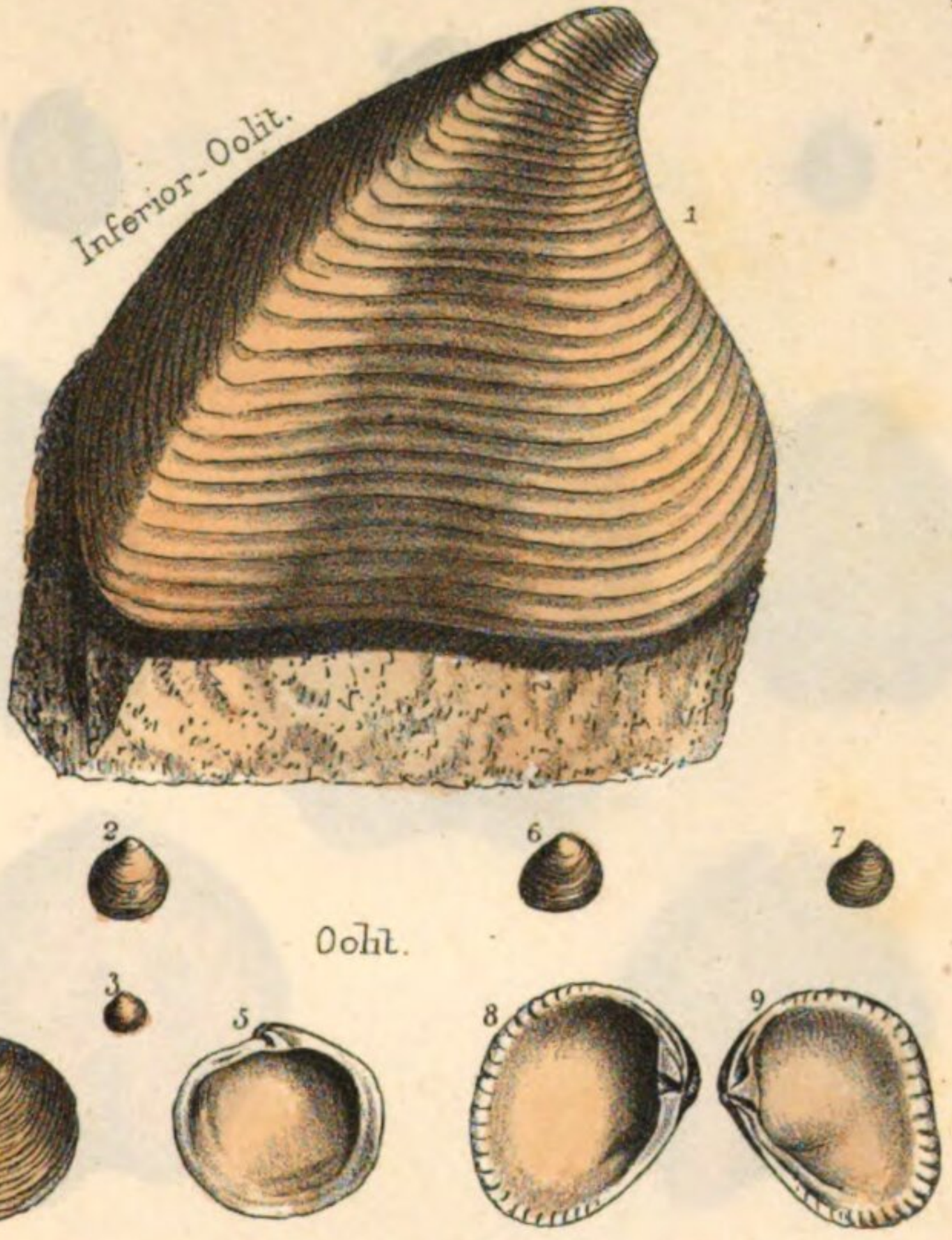


Crenatula ventricosa Sow.

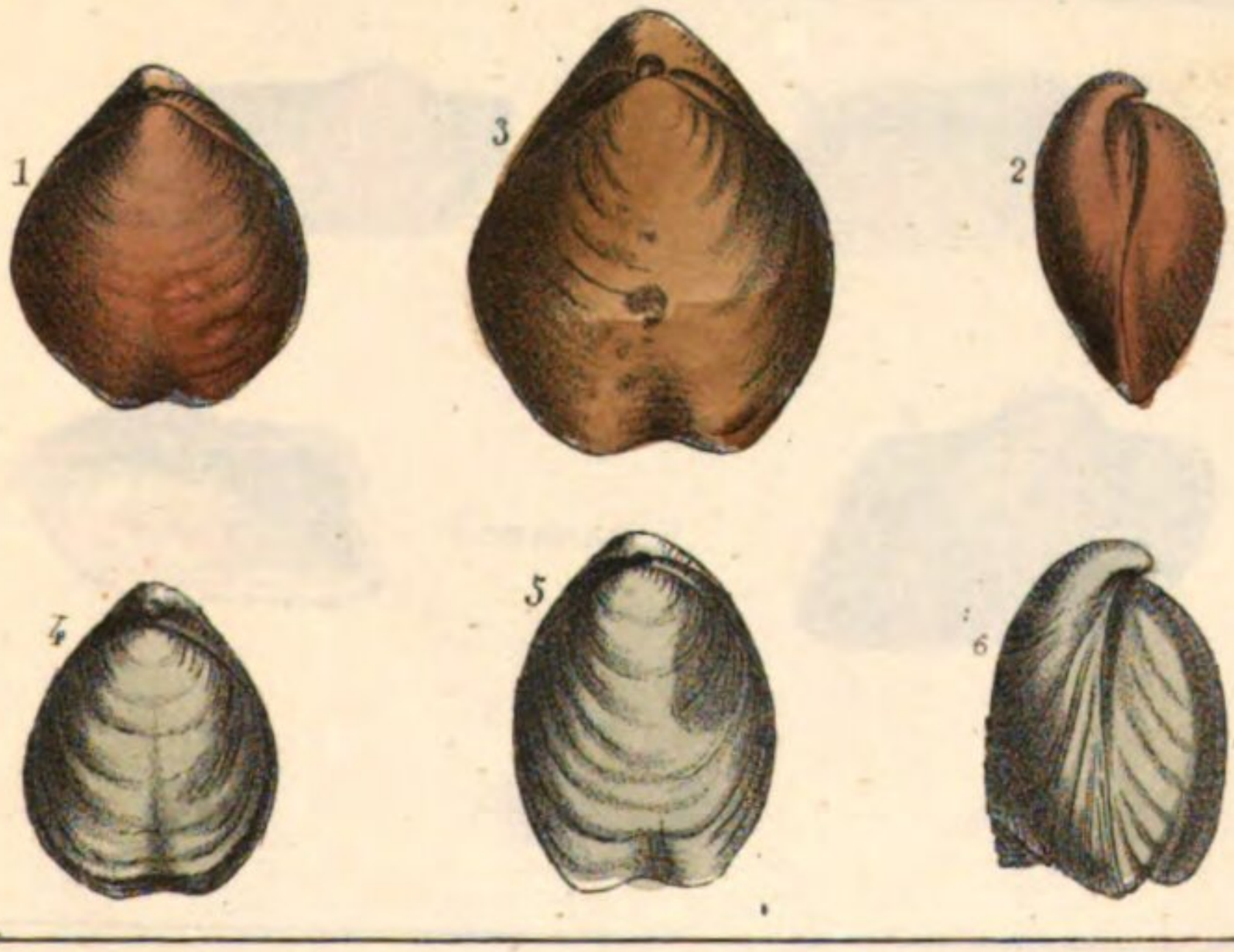


Crenatula ventricosa Sow.

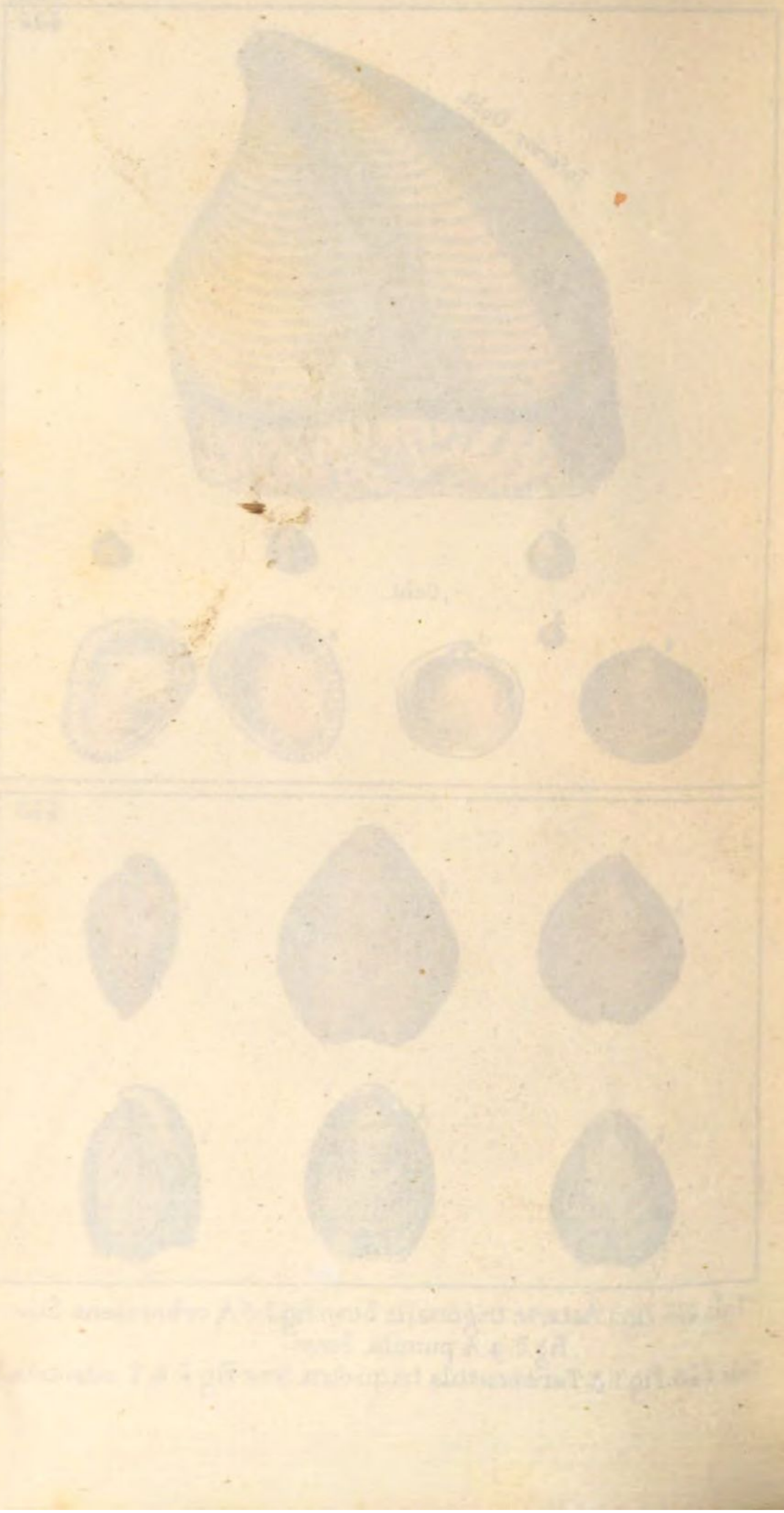
444.



445.

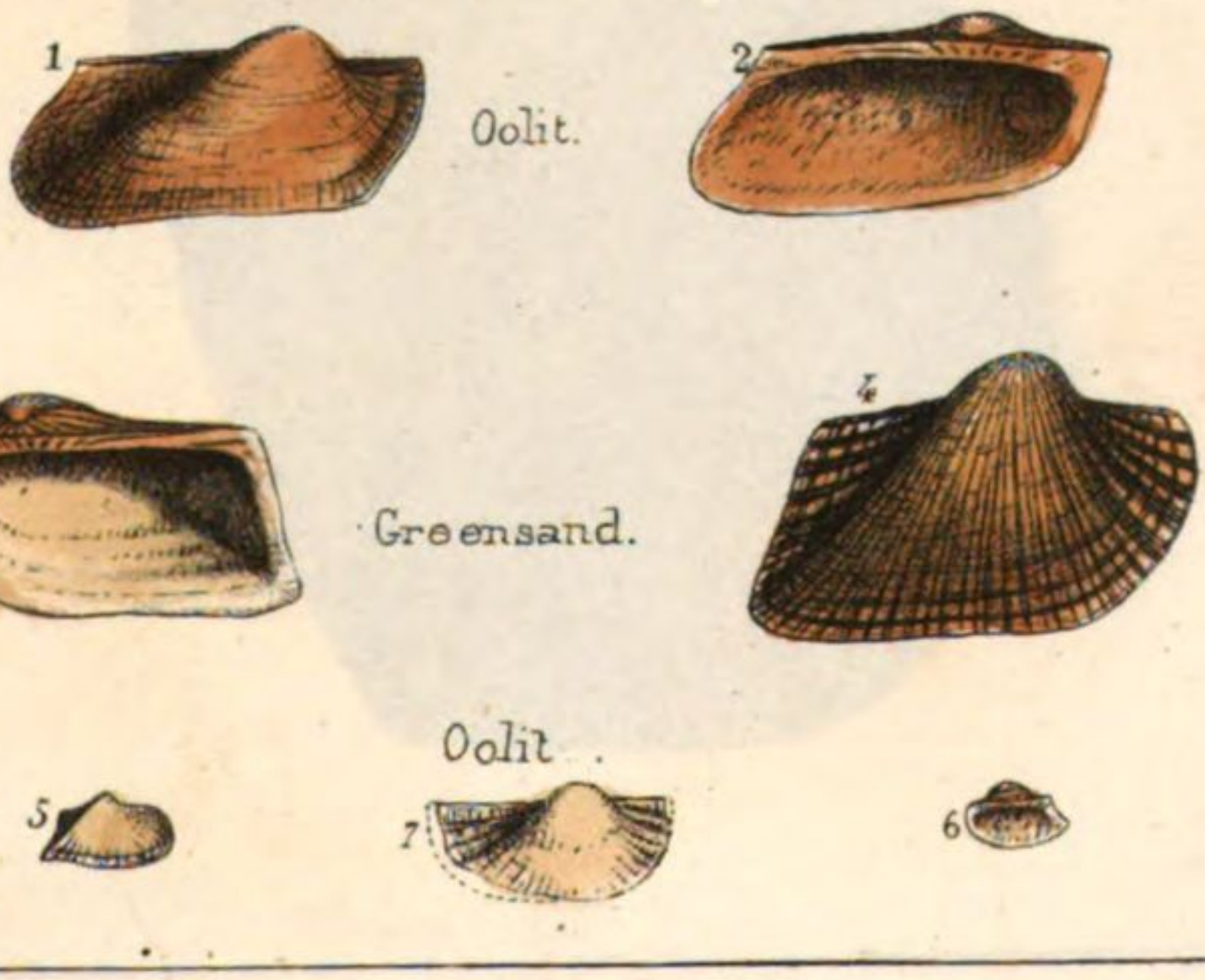


Tab. 444. Fig. 1. Astarte trigonalis Sow.- Fig. 2.-5. A. orbicularis Sow.-
Fig. 6.-9. A. pumila Sow.-
Tab. 445. Fig. 1-3. Terebratula triquetra Sow.- Fig. 4-6. T. indentata Sow.



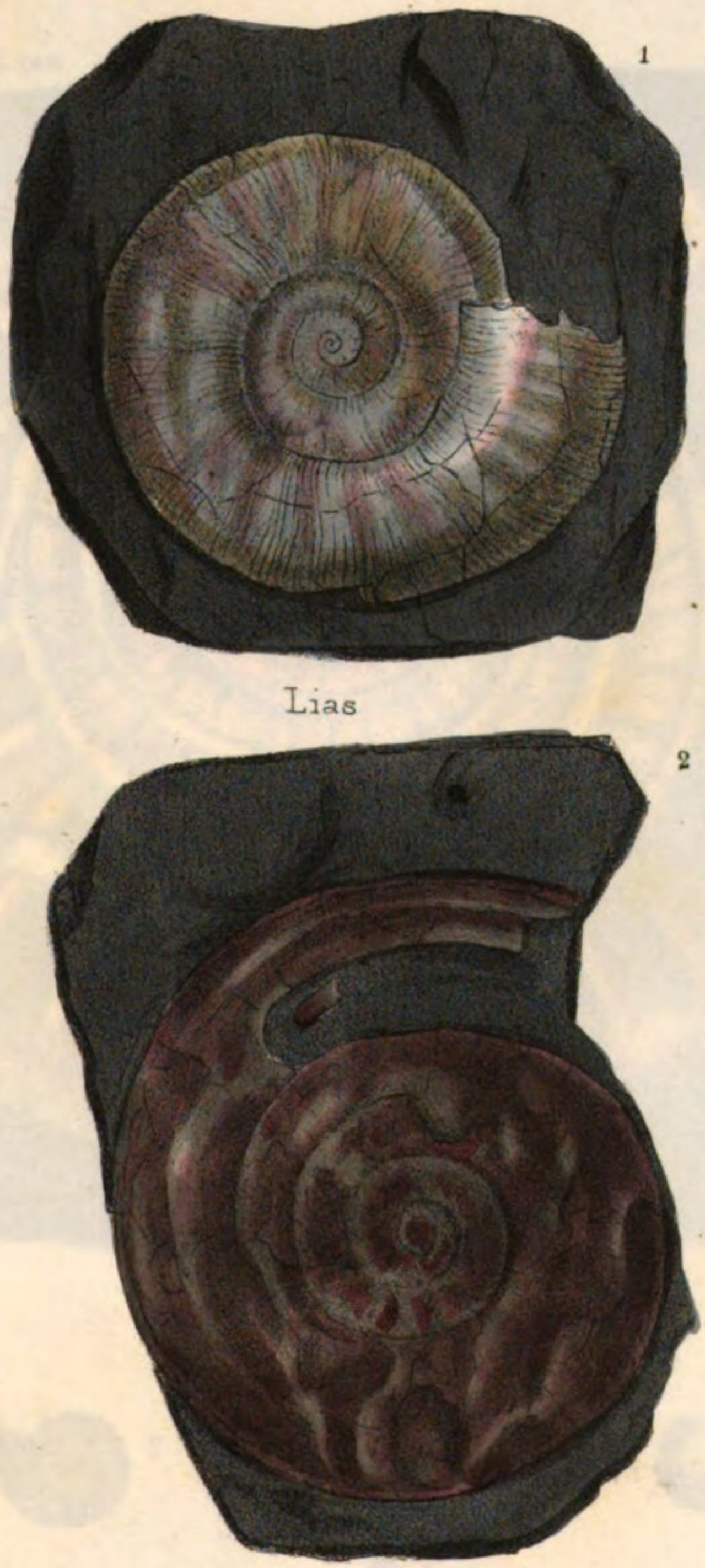
446.

447.



Tab. 446. Fig. 1-3 Terebratula Sacculus Sow. - Fig. 4. - 6 T. hastata Sow.
Fig. 7 8 T. cornuta Sow. -
Tab. 447. Fig. 1 2 Cucullaea elongata Sow. Fig. 3. 4. C. costellata Sow.
Fig. 5. 6. C. minuta Sow. - Fig. 7. C. cornuta Sow.

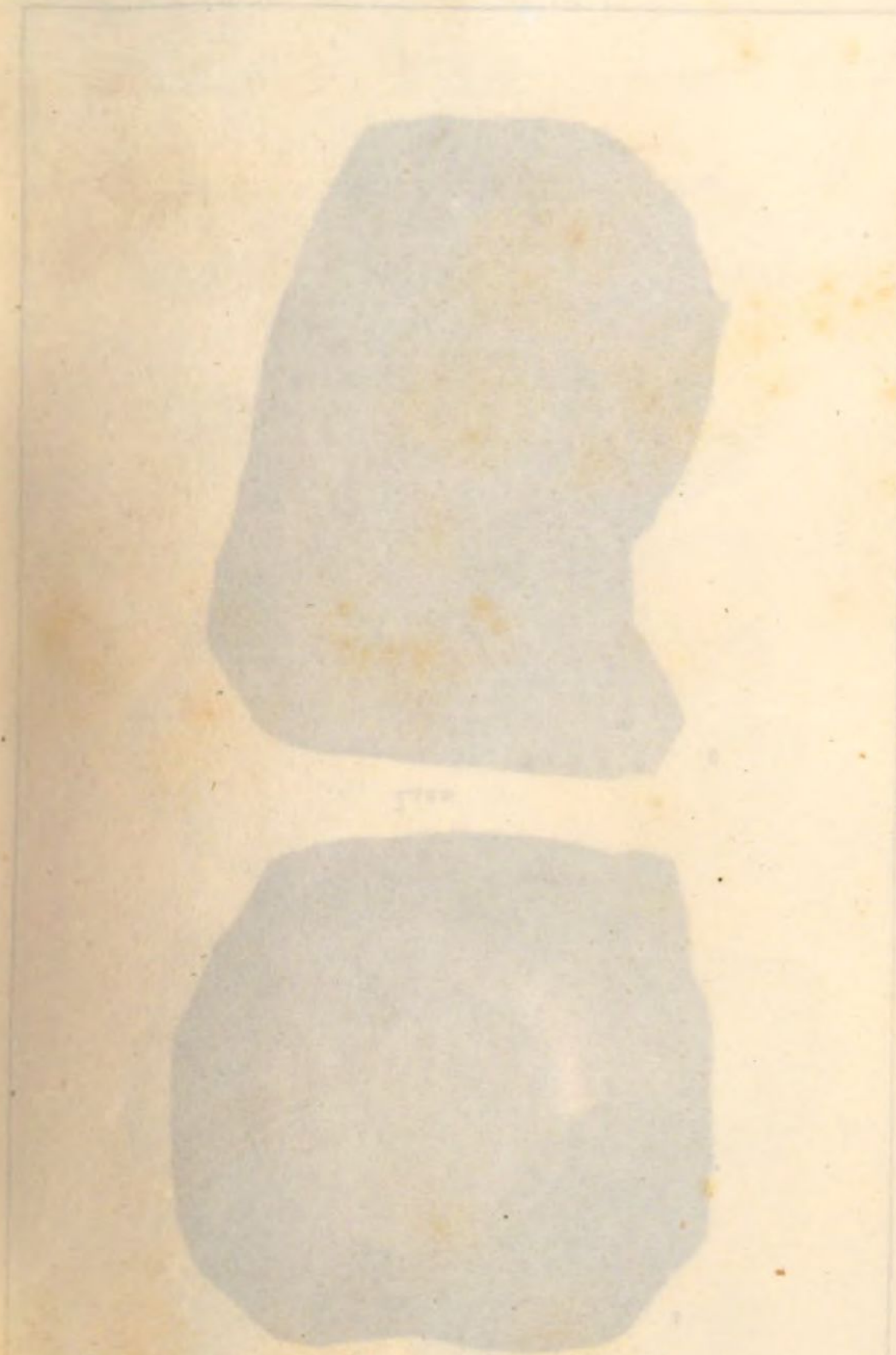
1



Lias

2

Ammonites planorbis Sow.



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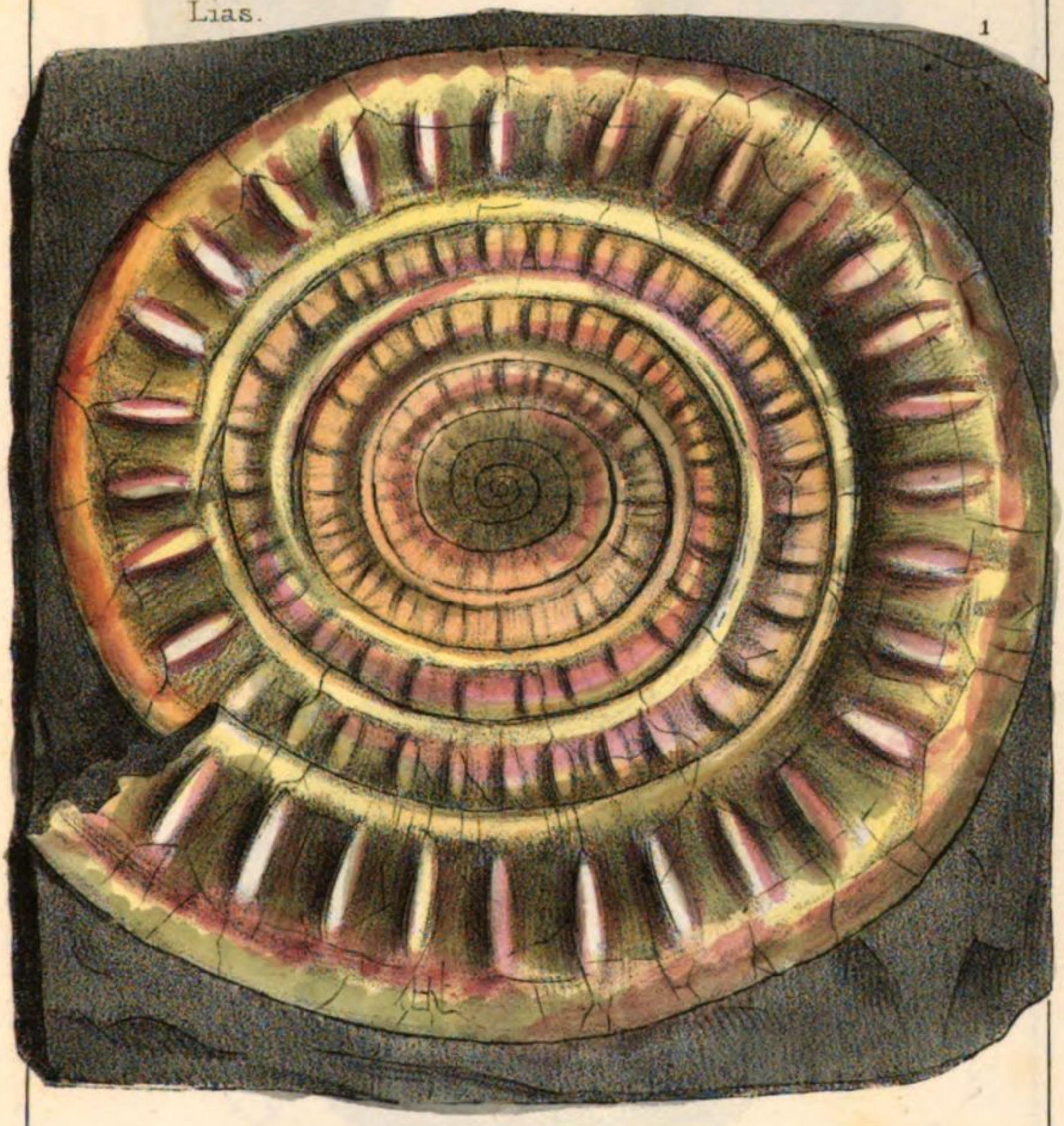
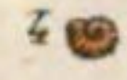
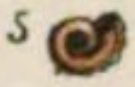


Fig. 1 Ammonites Johnston Sow. Fig. 2. 3. 4 Am. parvus Sow.

Mountain-limestone.





Oolit.

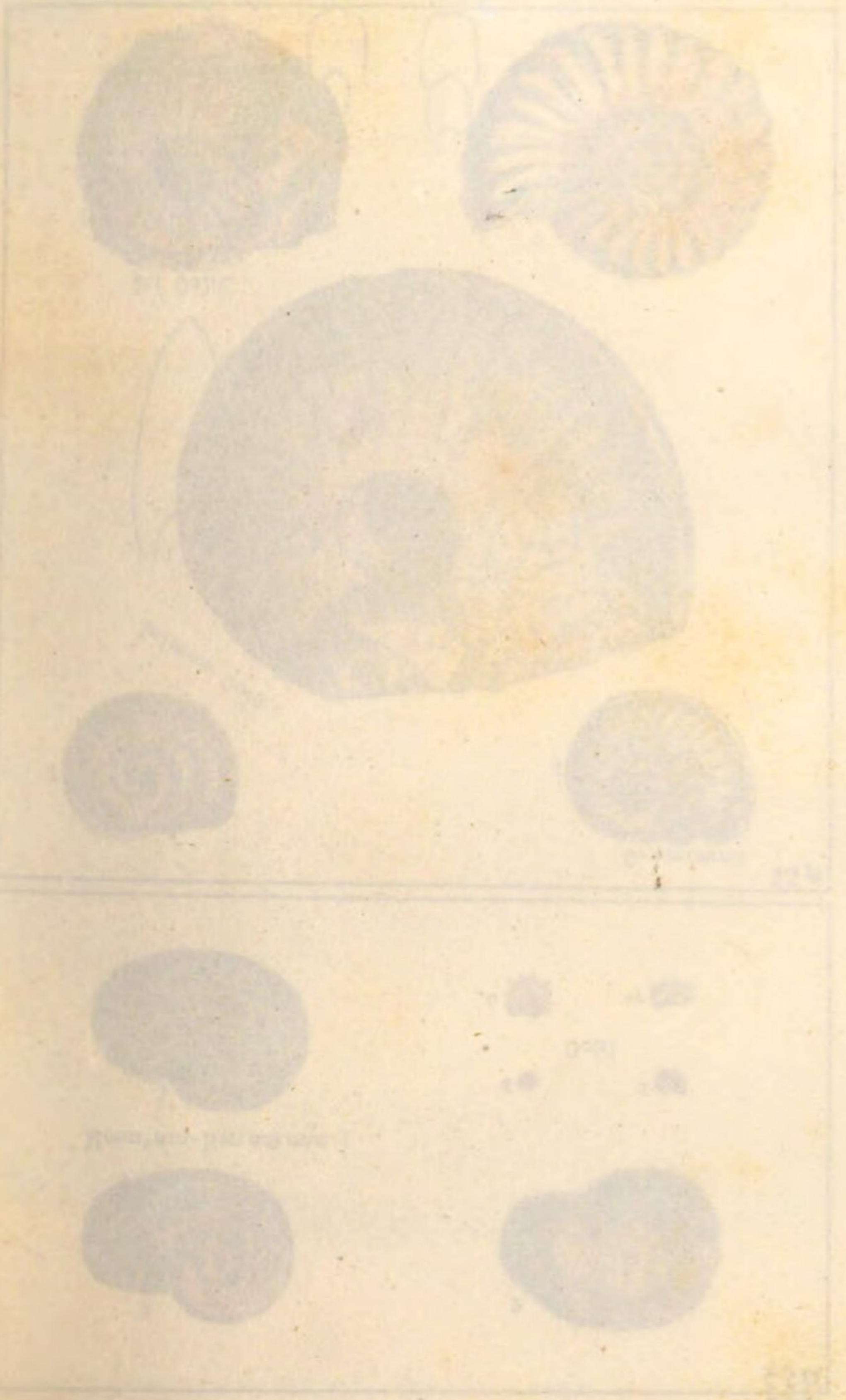
450.

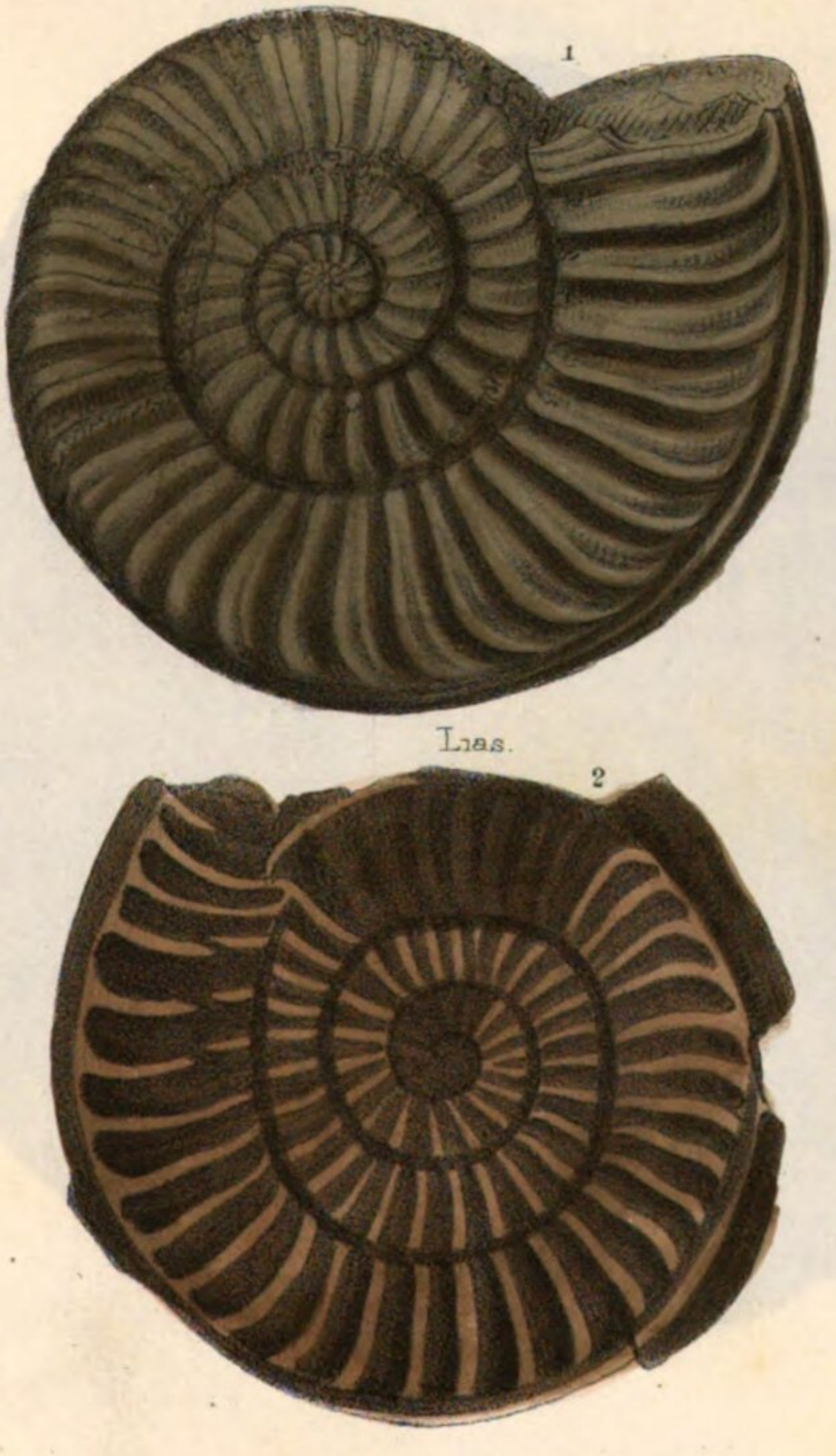
Greensand.

Inferior Oolit

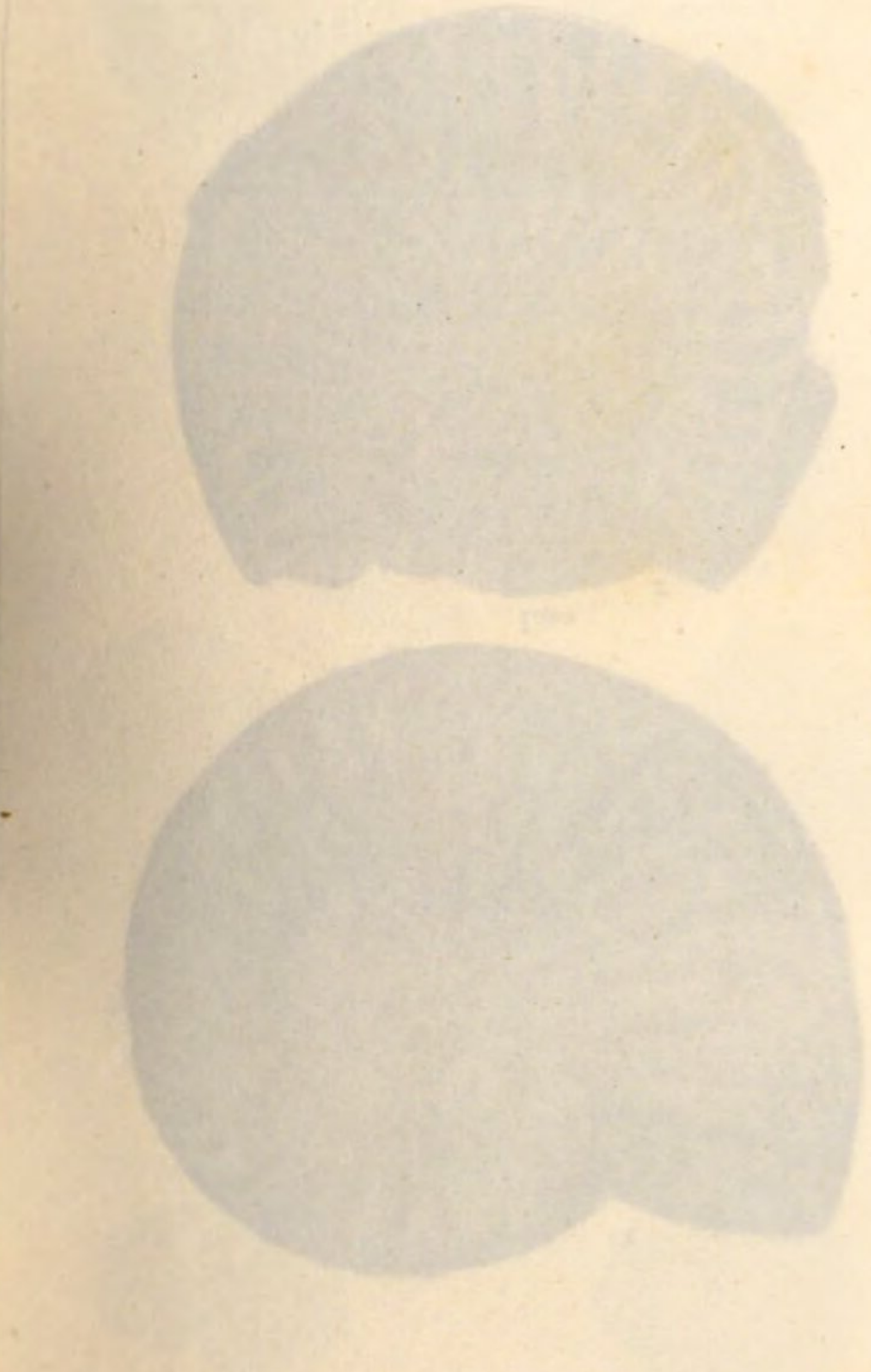
Inf. Oolit.

Tab. 450. Fig. 1. 2. 3 Euomphalus funatus Sow. Fig. 4-7. E. coronatus Sow.
Tab. 451. Fig. 1. 2 Ammonites laeviusculus Sow. Fig. 3 Am. corrugatus Sow.
Fig. 4. 5 A. varicosus Sow.

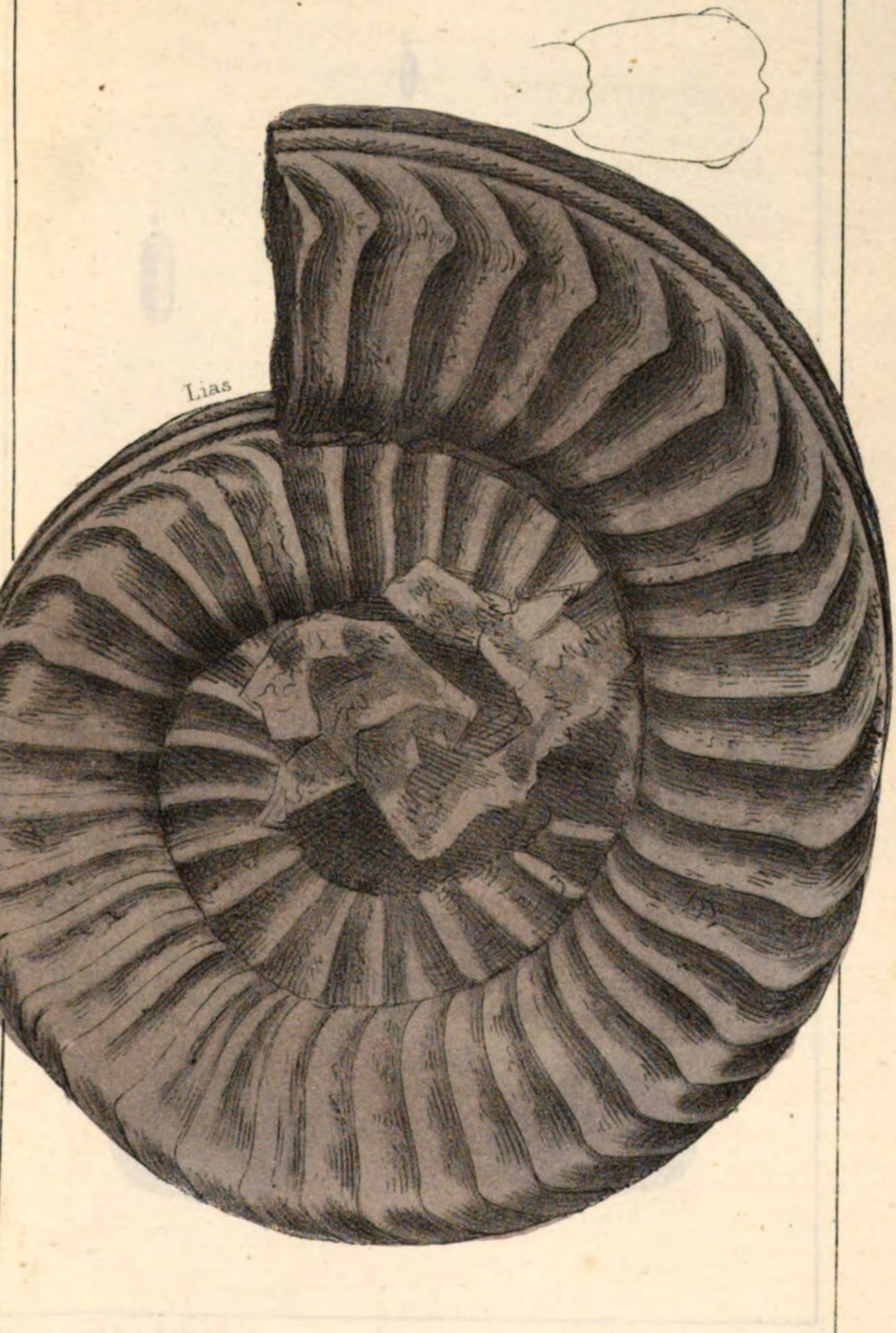




Ammonites Turneri Sow.



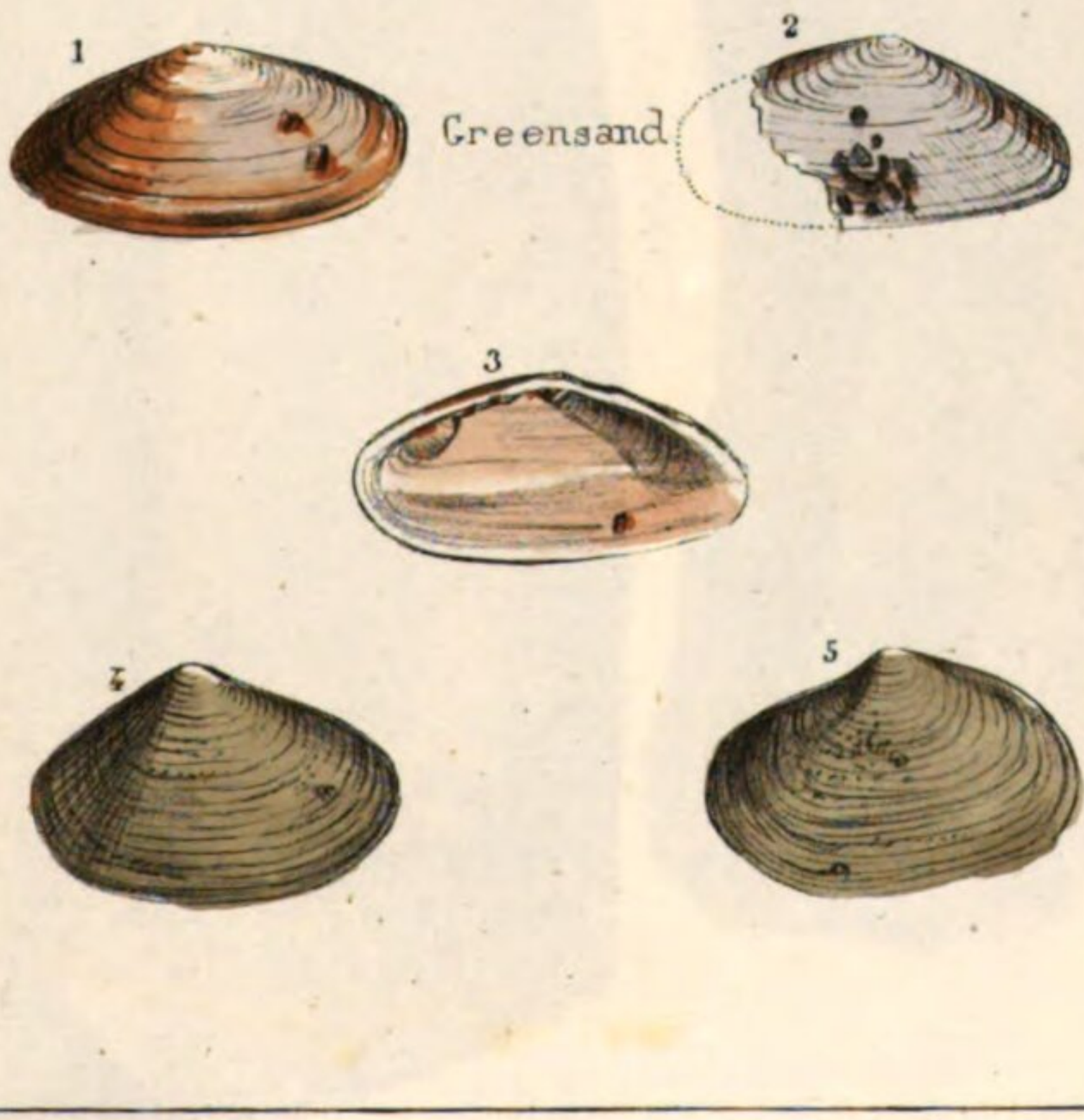
Lias.



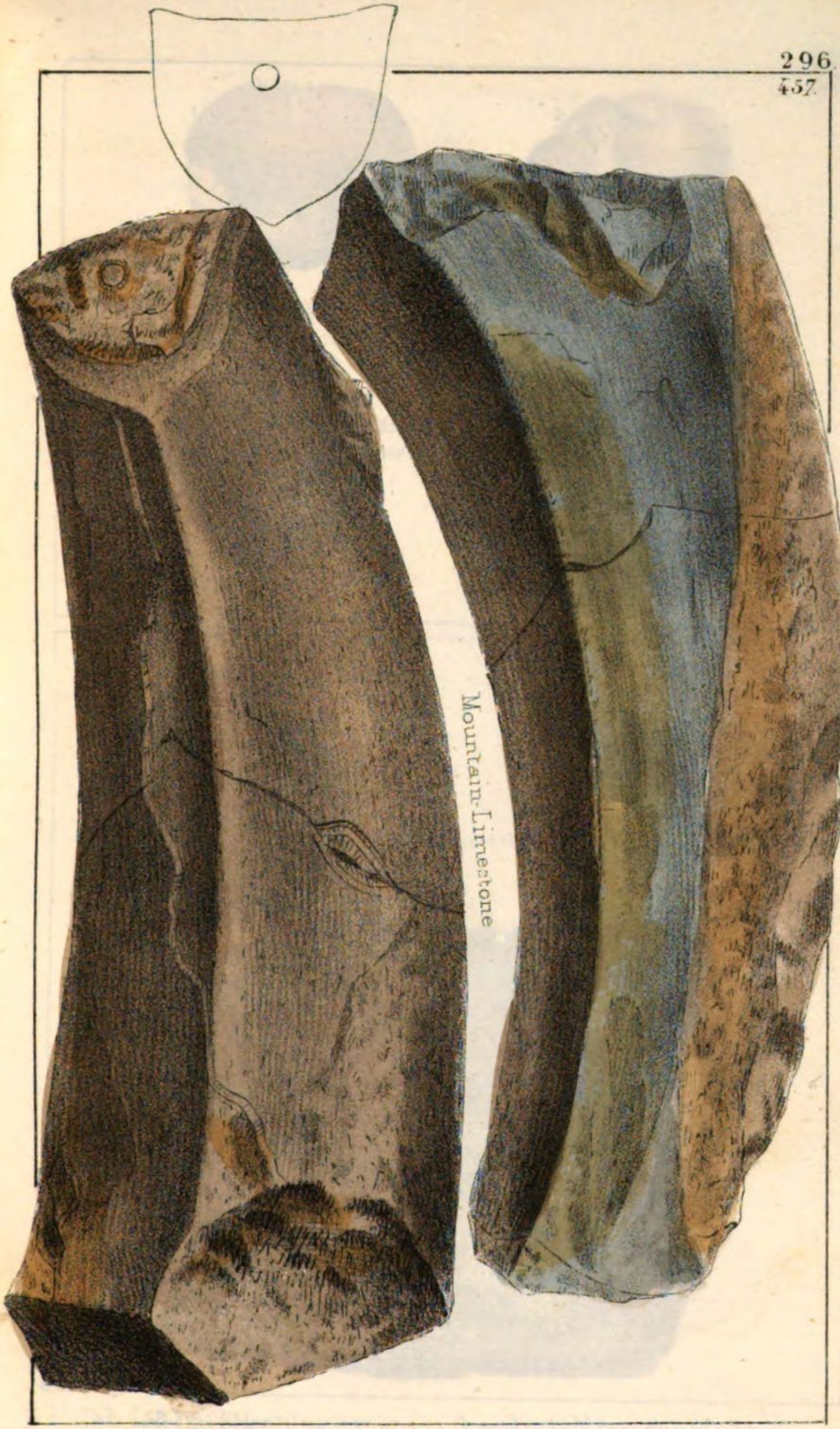
Ammonites multicostatus Sow.

455.

456.

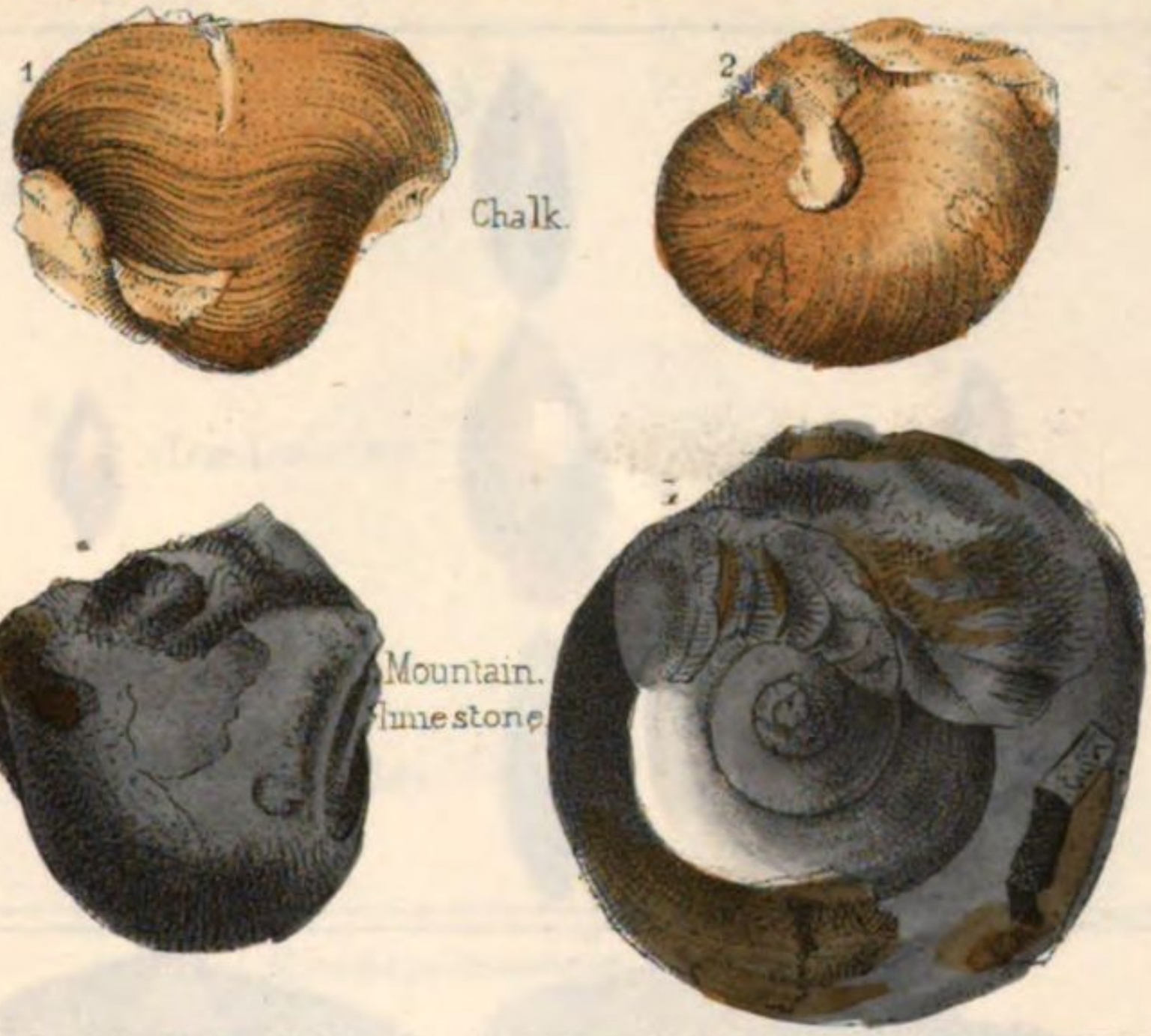


Tab. 455 Fig. 1-3. Acteon cuspidatus Sow.- Fig. 4.5. A. acutus Sow.-
Tab. 456. Fig. 1.2.3. Tellina striata Sow.- Fig. 4.5. Tina equalis Sow.



Orthocera paradoxica Sow

458.



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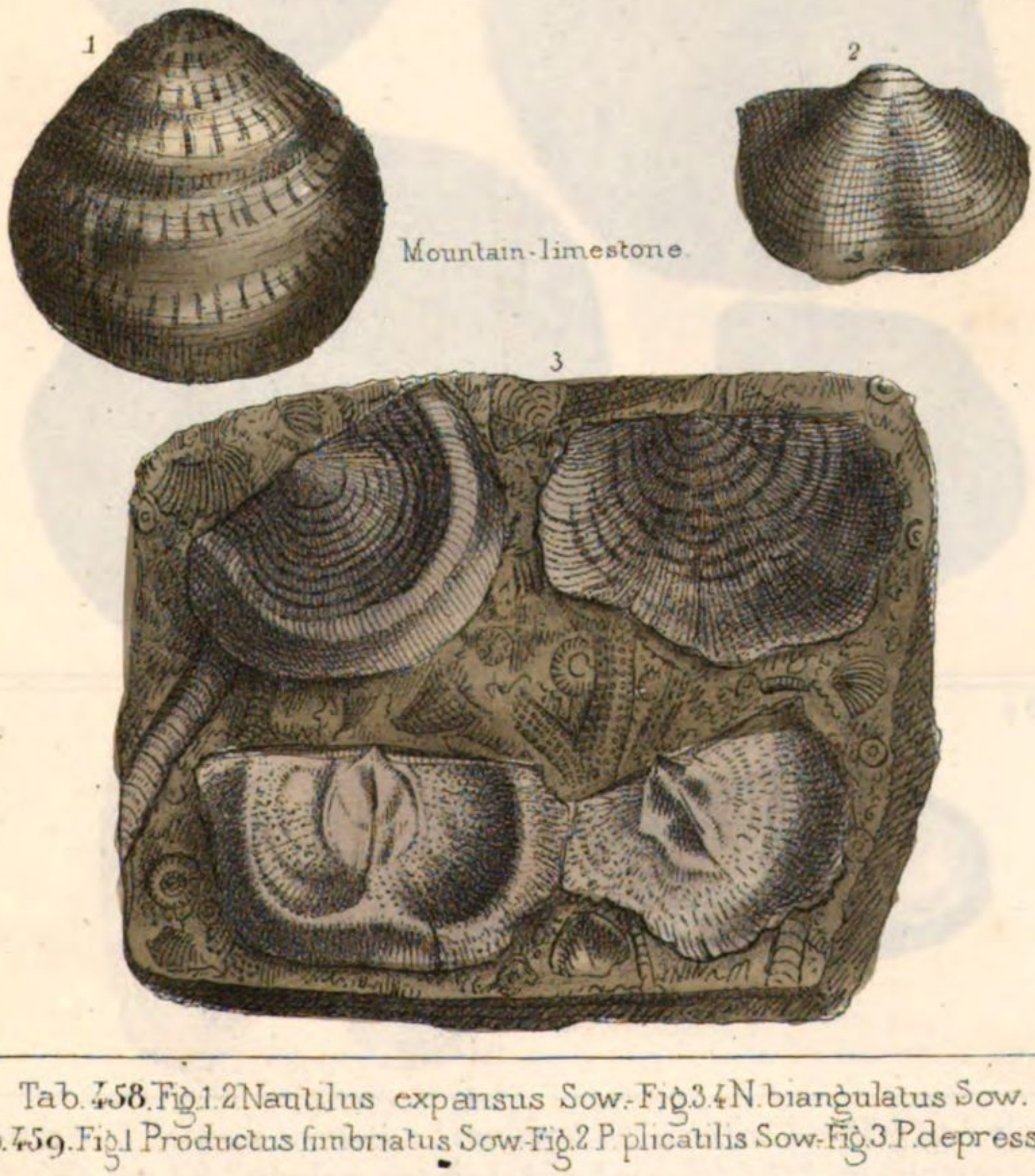
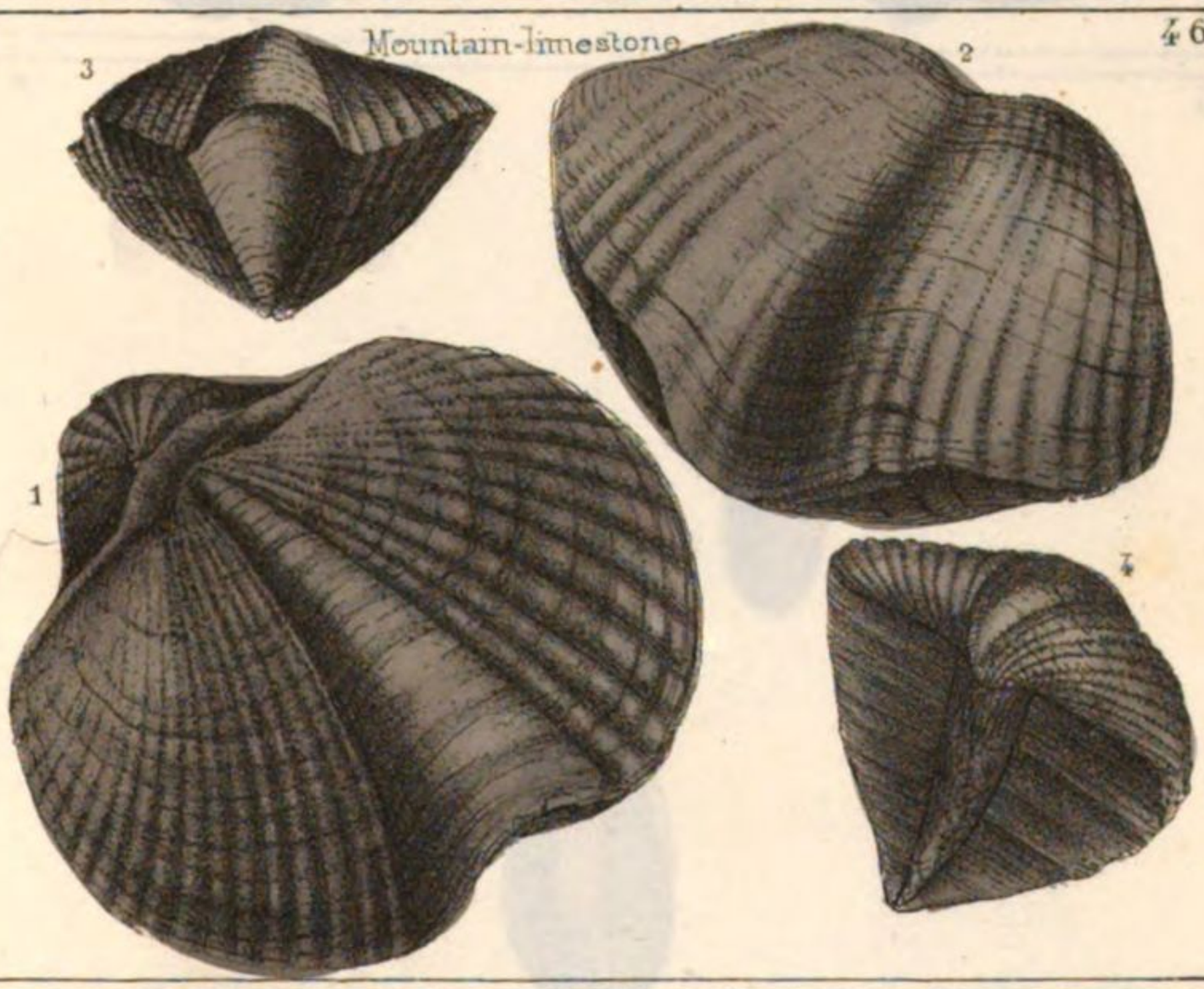


Tab. 458. Fig. 1. 2 Nautilus expansus Sow. - Fig. 3. 4 N. biangulatus Sow.
Tab. 459. Fig. 1 Productus fimbriatus Sow. - Fig. 2 P. plicatilis Sow. - Fig. 3 P. depressus Sow.

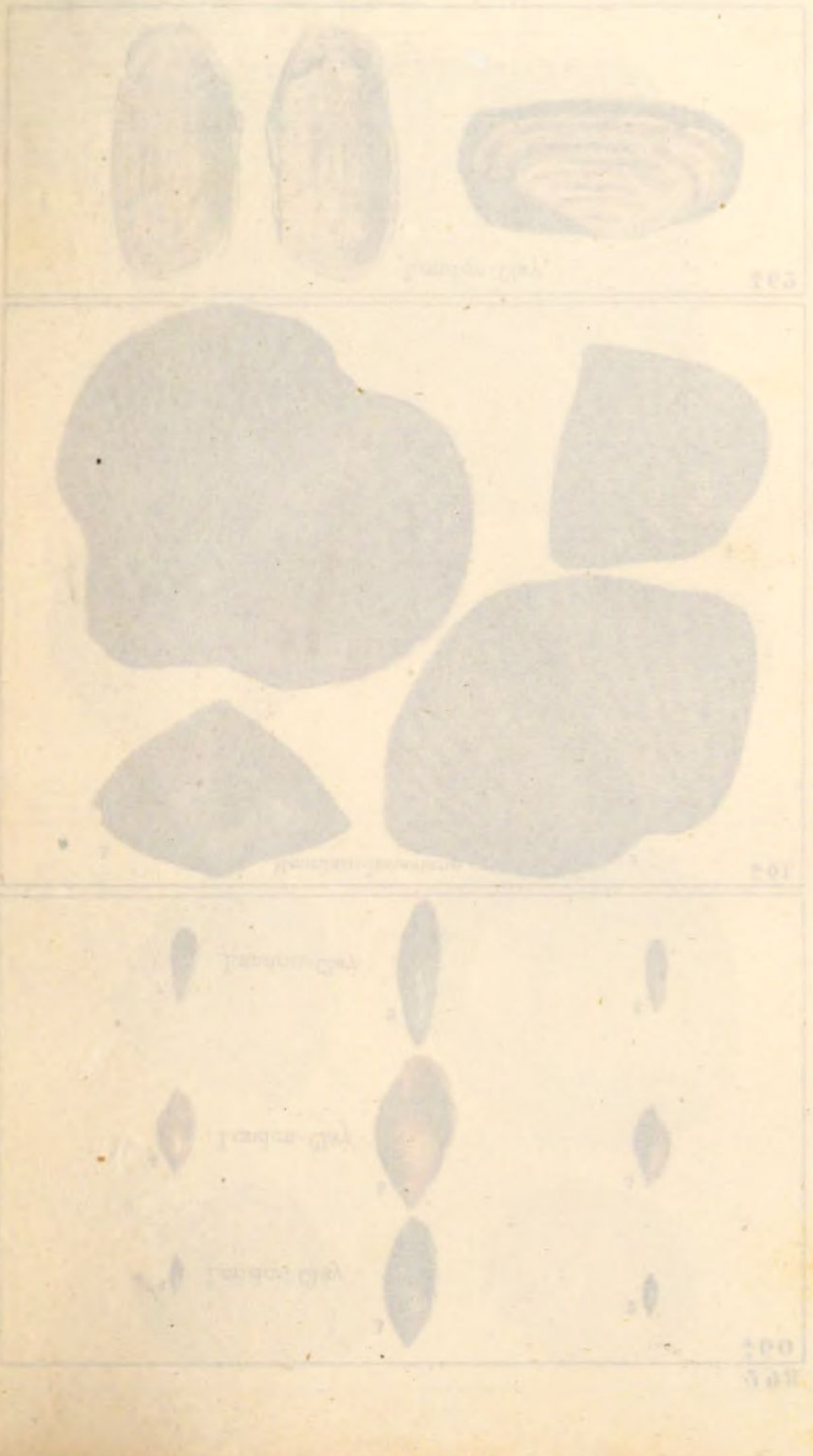
460.

461.

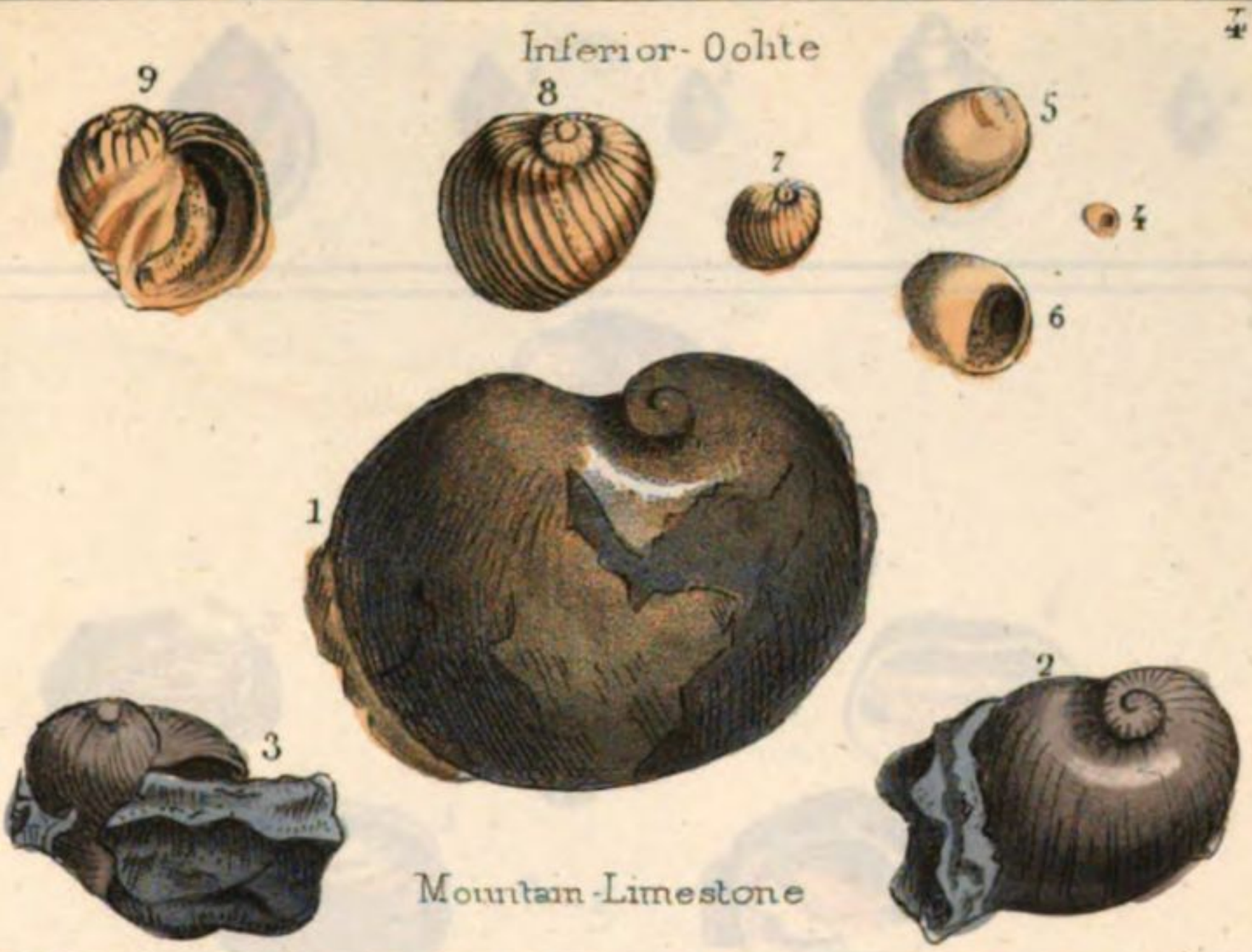


462.

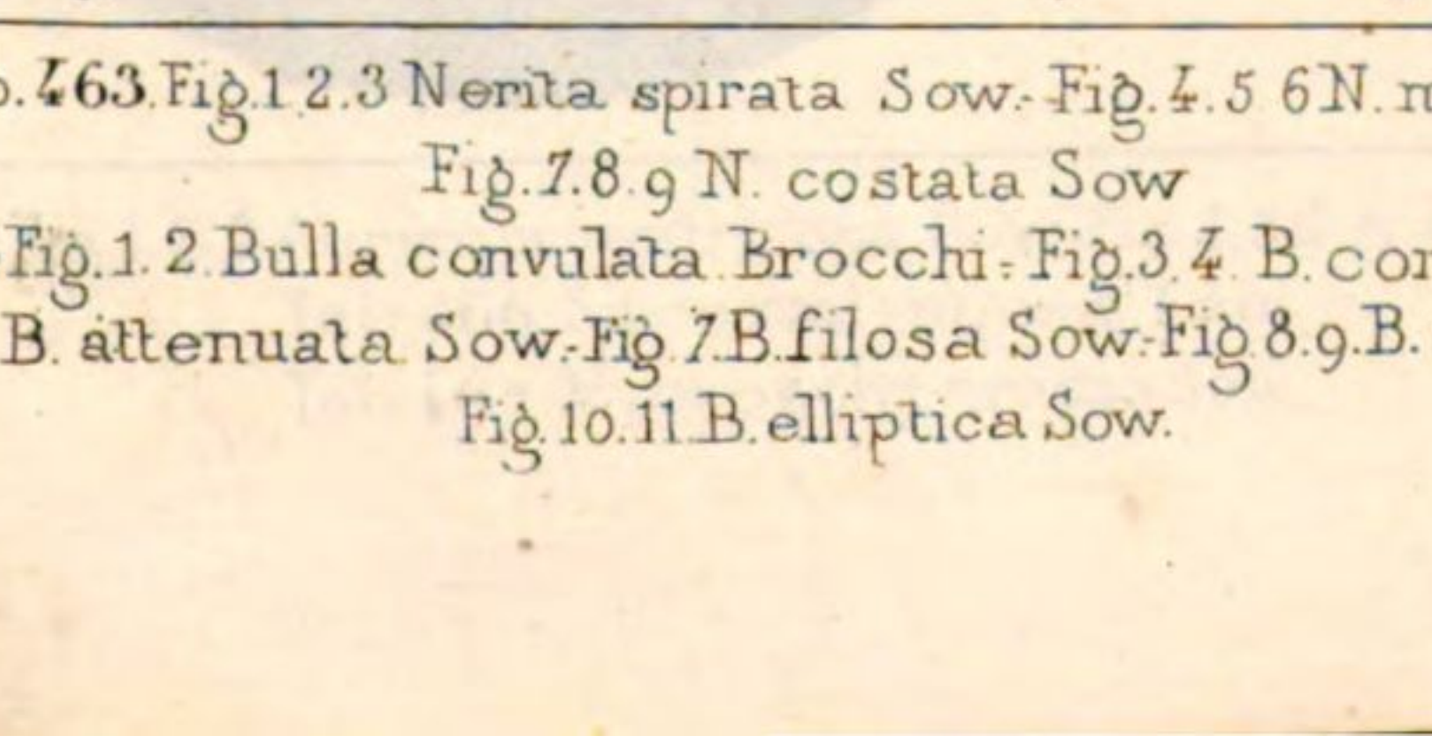
Tab. 460. Fig. 1-3 Acteon crenatus Sow.- Fig. 4-6 A. striatus Sow.- Fig. 7-9 A. elongatus Sow
Tab. 461. Fig. 1. 2 Spirifer rotundatus Sow.- Fig. 3. 4. S. cuspidatus var. Sow.
Tab. 462. Sanguinolaria compressa Sow.



463

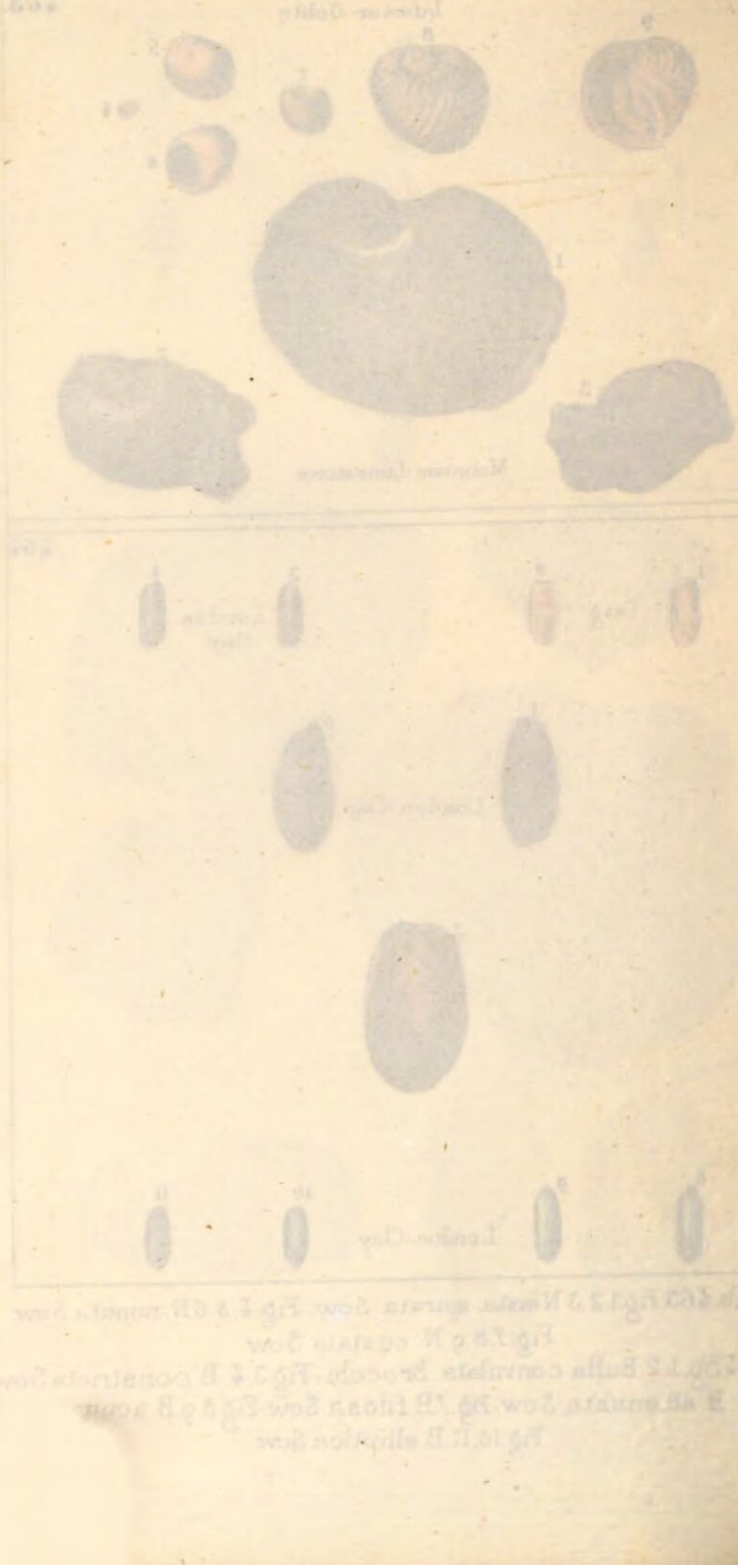


464



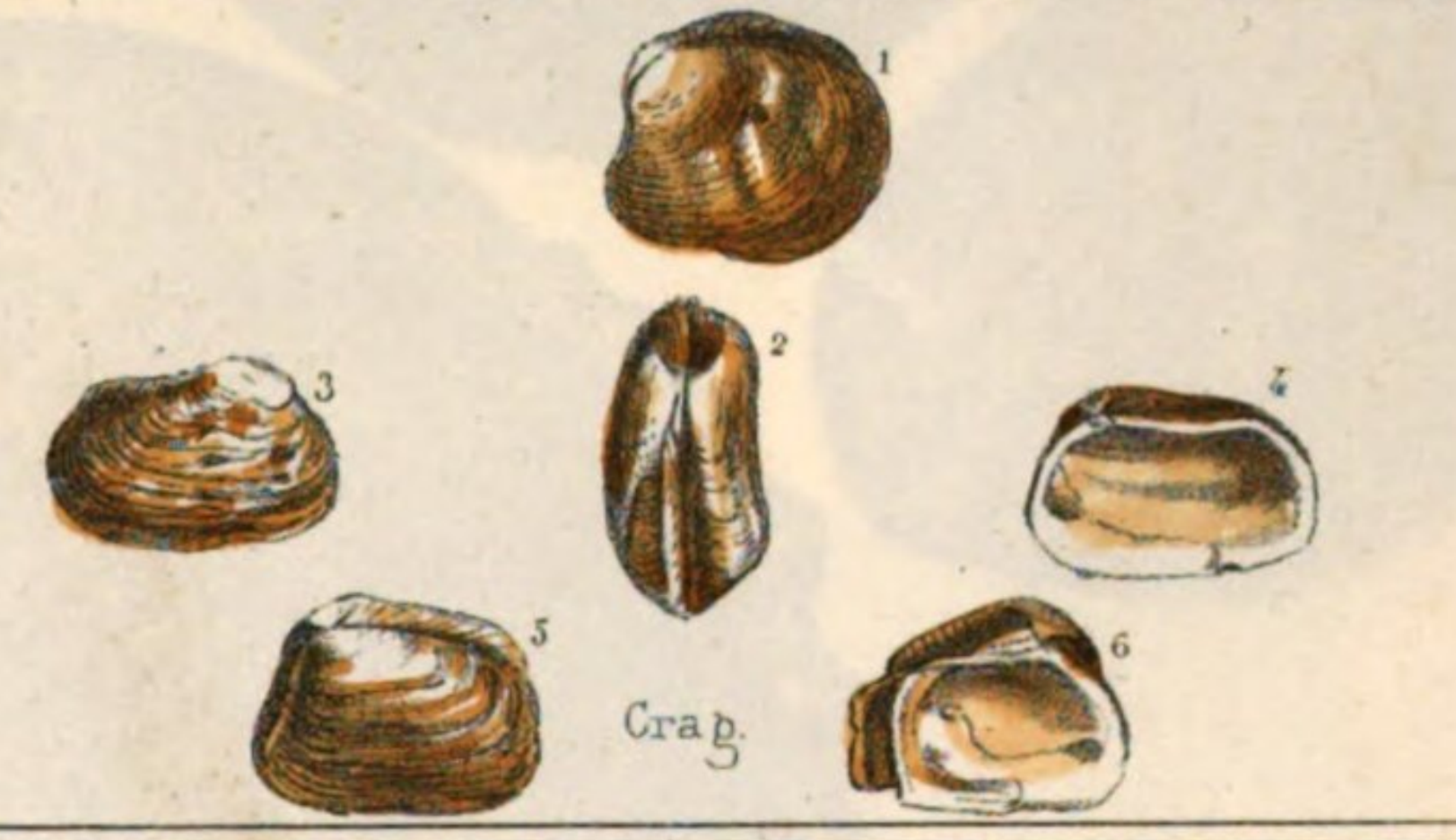
Tab. 463. Fig. 1. 2. 3 Nerita spirata Sow. - Fig. 4. 5 6 N. minuta Sow.
Fig. 7. 8. 9 N. costata Sow

Tab. 464 Fig. 1. 2. Bulla convulata Brocchi. - Fig. 3. 4. B. constricta Sow.
Fig. 5. 6. B. attenuata Sow. - Fig. 7. B. filosa Sow. - Fig. 8. 9. B. acuminata Sow.
Fig. 10. 11. B. elliptica Sow.



465.

466.



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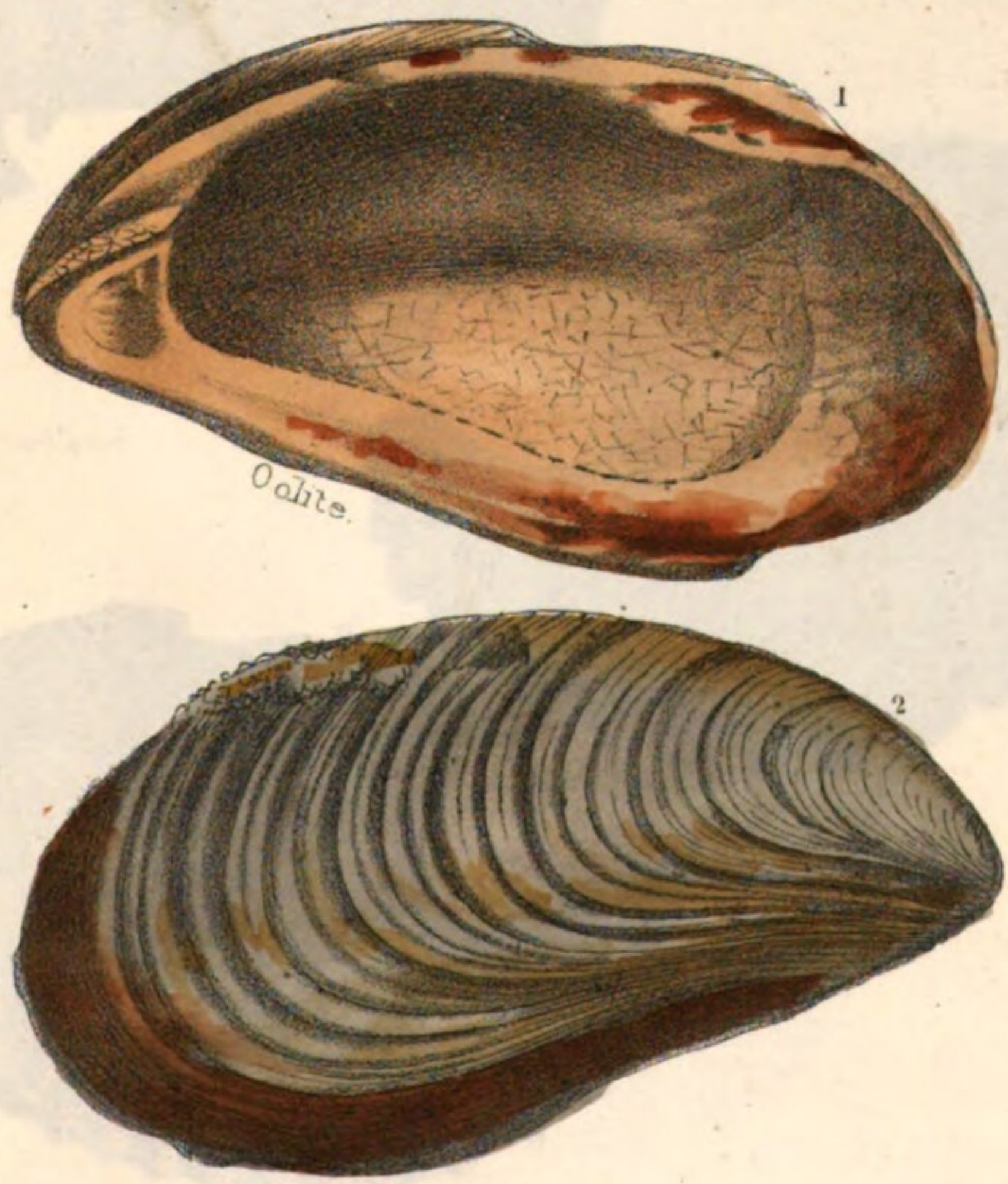
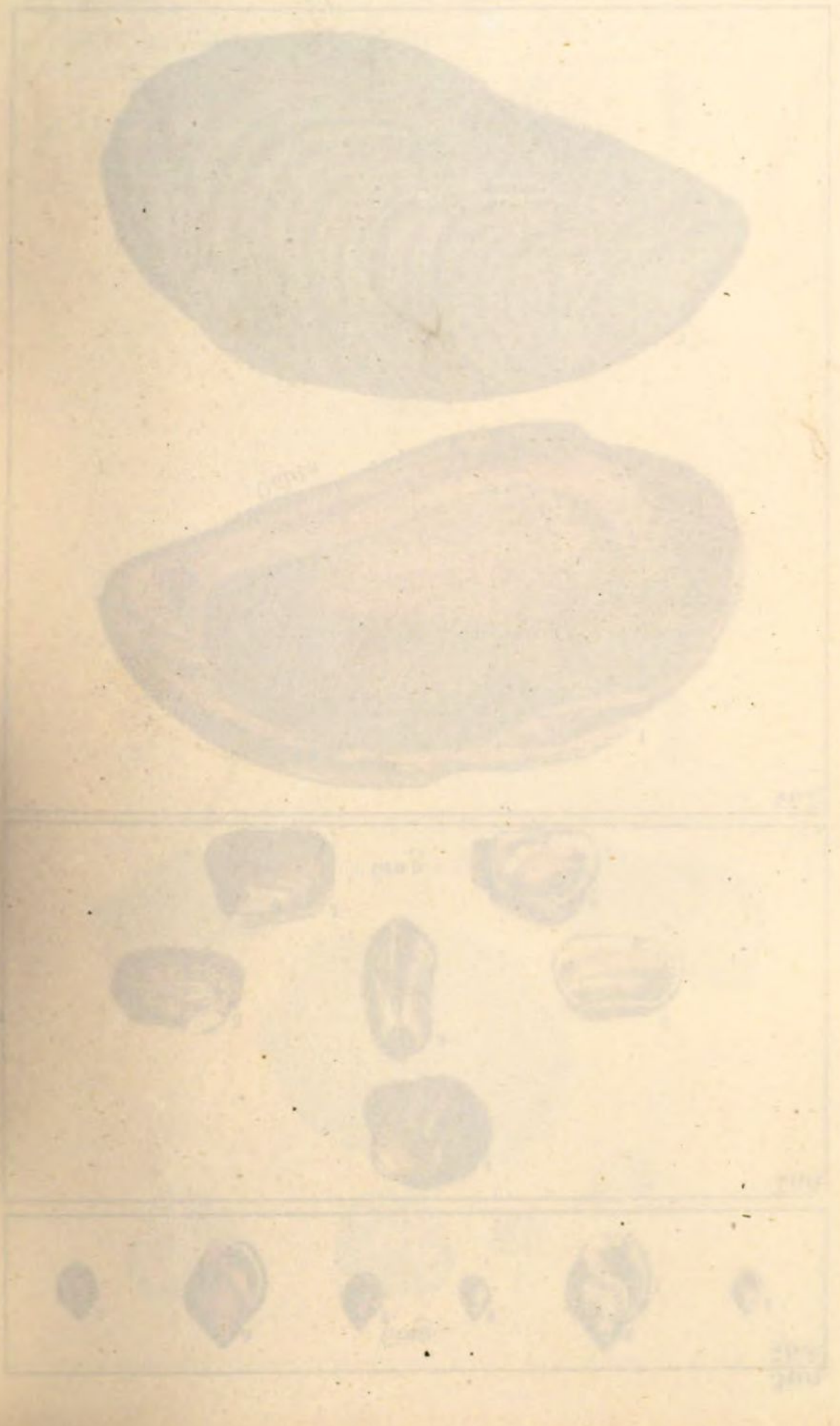


Tab. 465. Fig. 1. 2. 3 Auricula ventricosa Sow. Fig. 4. 5. 6 A. buccina Sow.
Tab. 466 Saxicava rugosa Lam.
Tab. 467. Myoconcha crassa Sow.



468.

1

2

3

Portland.

4

5

Fig.1.2. Ostrea solitaria Sow. Fig.3.4.5 O. macroptera Sow.

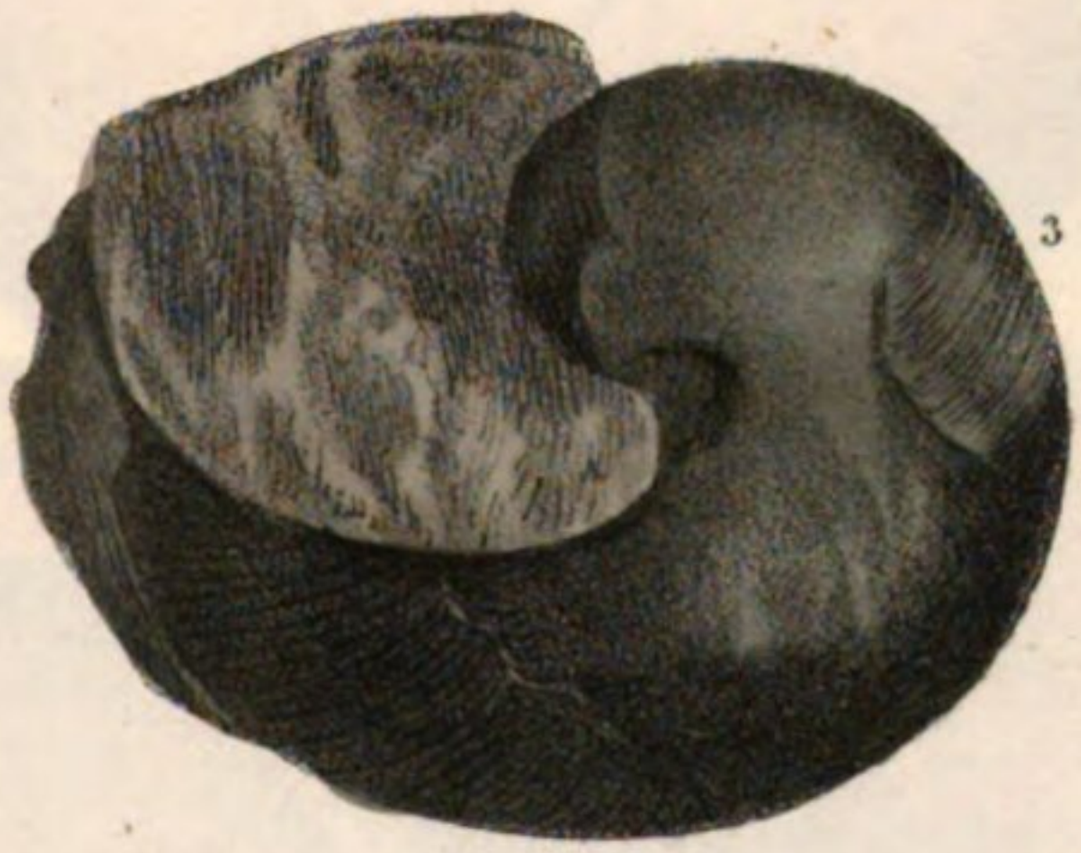
Transition-formation.

Fig. 1 Bellerophon apertus Sow: Fig. 2.3 B. Cornu-Arietis Sow.

1

2

Mountain limestone.


3

4

5

6

Mountain-limestone.

Fig. 1.2 Bellerophon hiulcus Sow. Fig. 3 4 B. tenuifascia Sow.
Fig. 5.6 B. costatus Sow.

1

2

Crag

3

4

Pectunculus variabilis Sow.

472

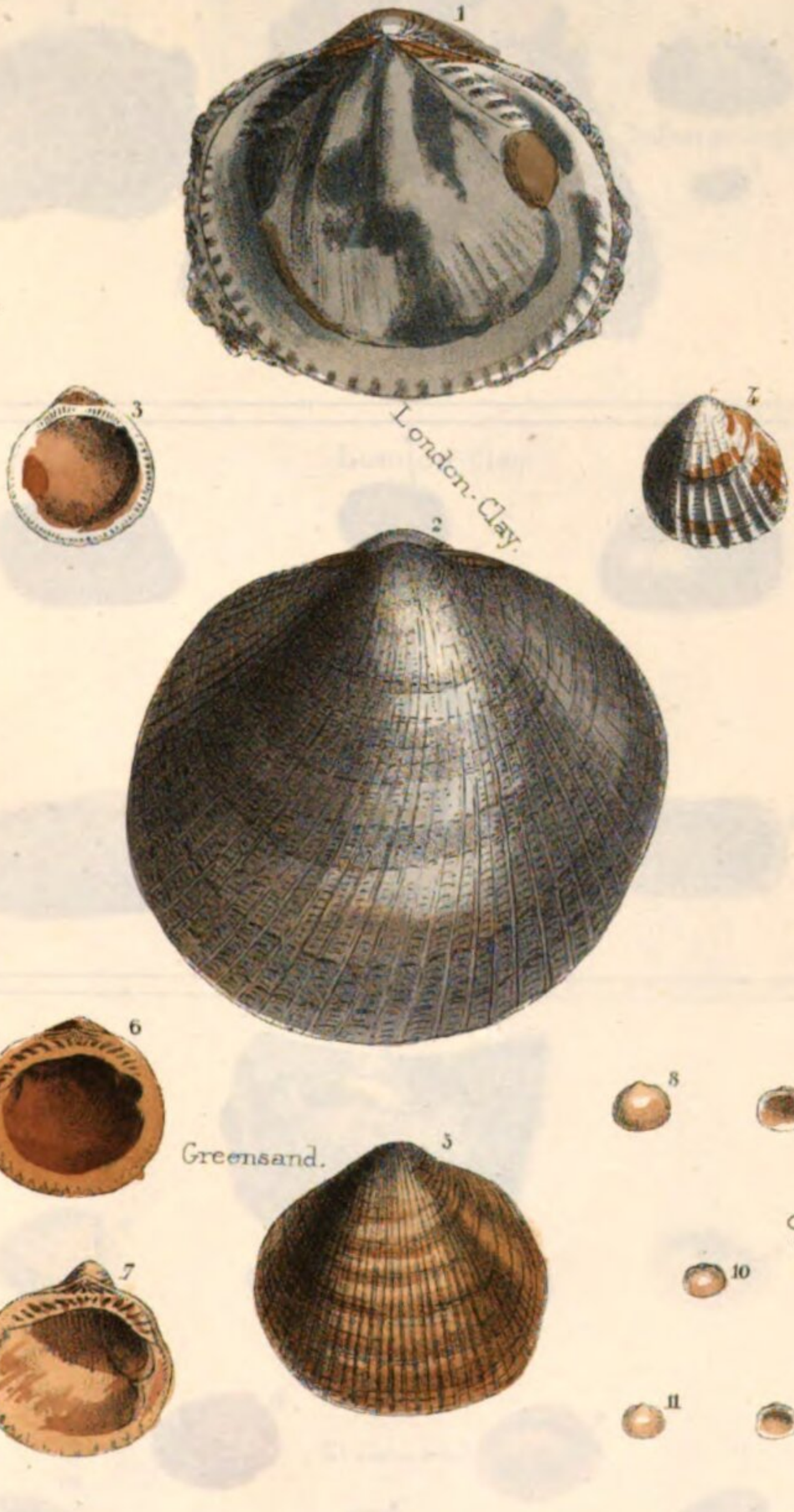
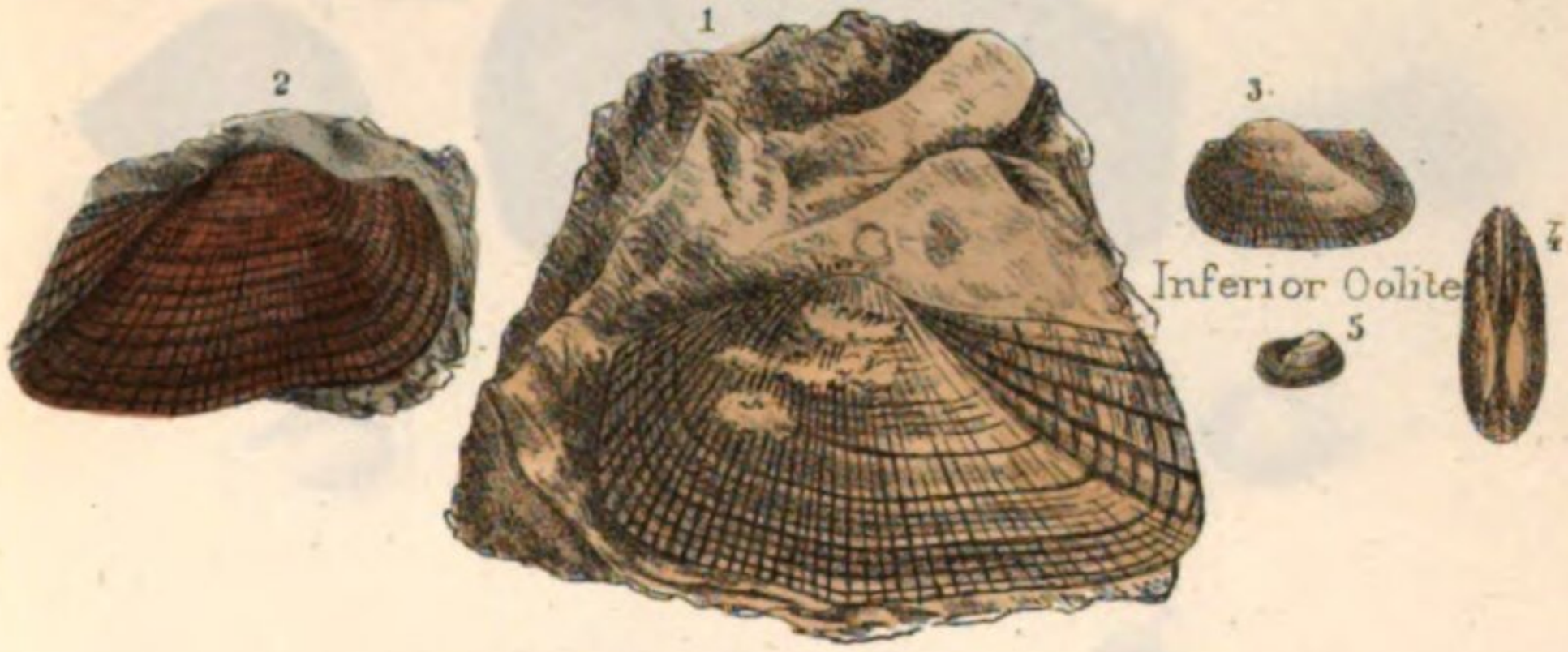


Fig. 1. 2. Pectunculus brevirostris Sow. Fig. 3. 4 P. scalaris Sow.
Fig. 5. 6. P. sublaevis Sow. Fig. 7. P. umbonatus Sow. Fig. 8. 9 P. minimus Sow.
Fig. 10. 11. 12. P oblongus Sow.

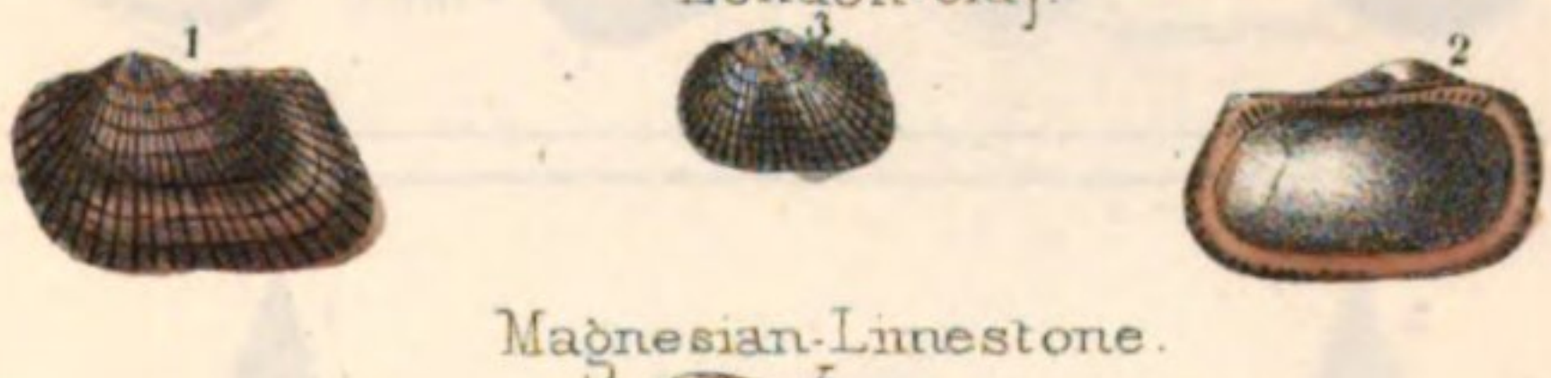
473.

Pisolit.



474

London-Clay.



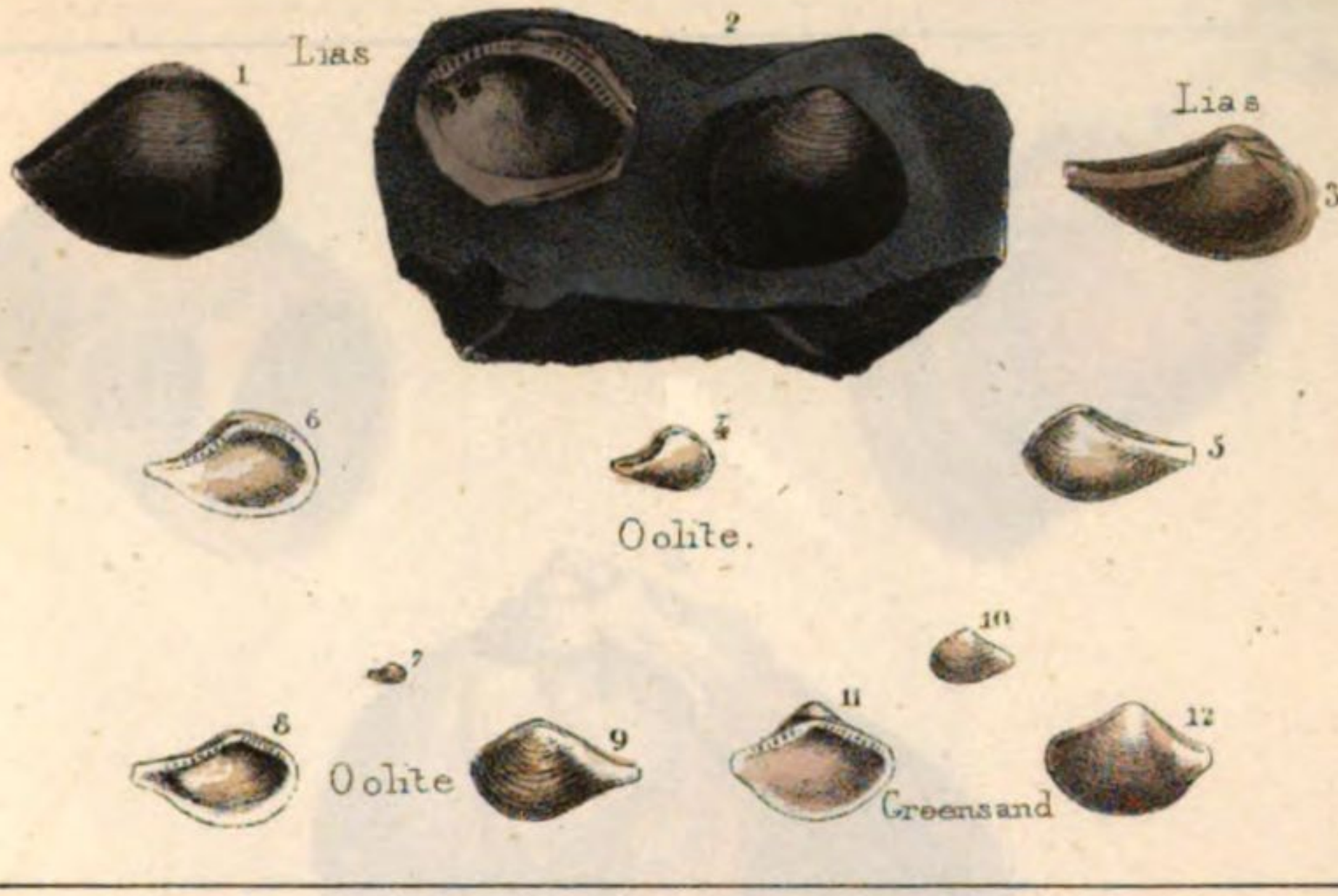
Magnesian-Limestone.

475.

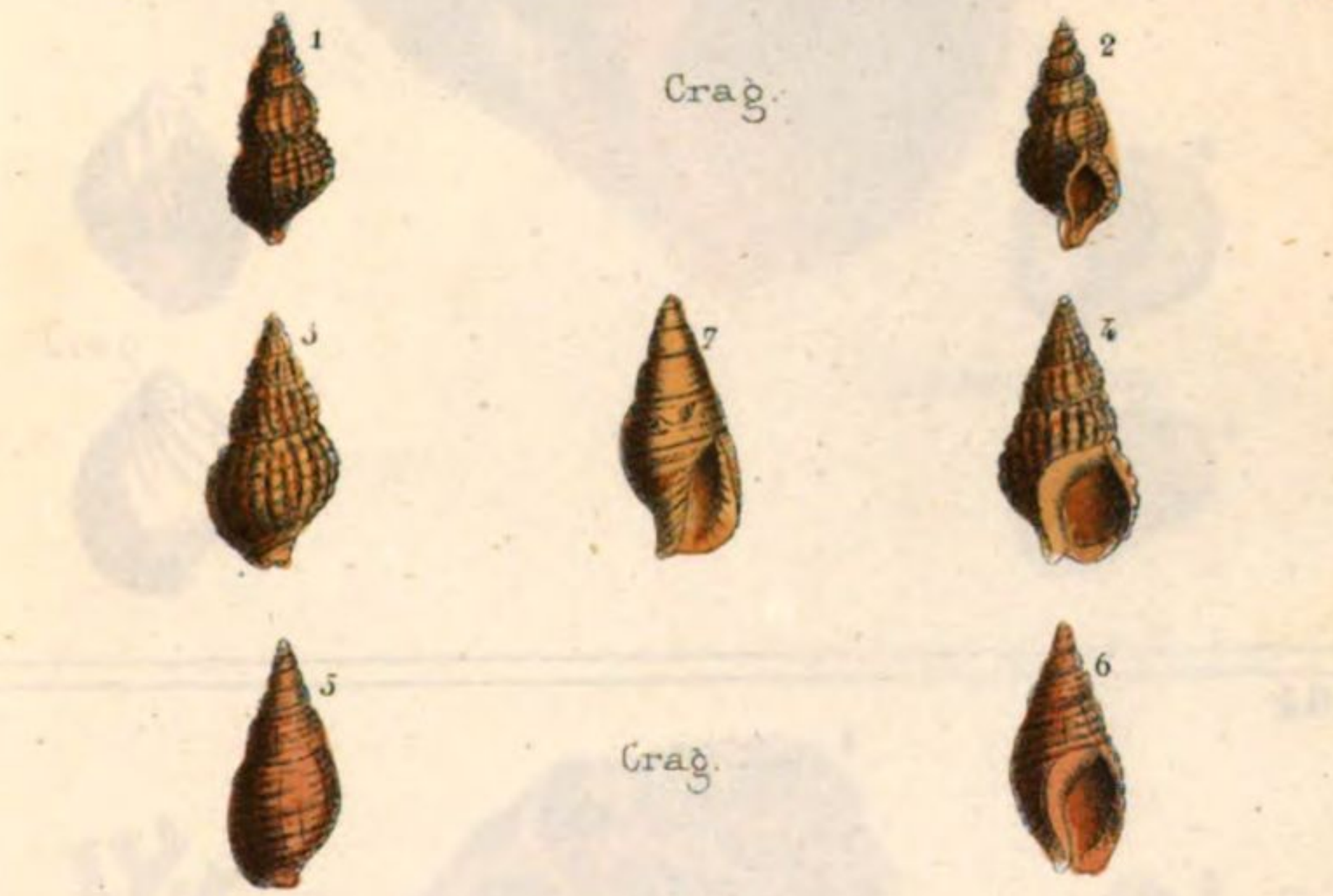
Coal.

Tab. 473. Fig. 1. Arca quadrisulcata Sow. Fig. 2. A. cancellata Sow. Fig. 3-6. A. pulchra Sow.
Tab. 474. Fig. 1. 2. 3. Arca duplicata Sow. Fig. 4. A. tumida Sow. Fig. 5. 6. A. depressa Sow.
Tab. 475. Fig. 1. Nucula Palmae Sow. Fig. 2. 3. 4. 5. N. variabilis Sow.
Fig. 6. 7. N. impressa Sow. Fig. 8. 9. 10. N. antiquata Sow.

476.



477.



478

Tab. 476 Fig. 1 2. Nucula Ovum Sow. Fig. 3. N. claviformis Sow. Fig. 456 N. Lacryma Sow.
Fig. 7 8 9. N. mucronata Sow. Fig. 10. 11 12. N. angulata Sow.
Tab. 477. Fig. 1. 2. Buccinum elegans Sow. Fig 3 4 B. propinquum. Sow.
Fig. 5 6. B. labiosum Sow. Fig. 7. B. sulcatum Sow.
Tab. 478 Ovula Leathesi Sow.

479.

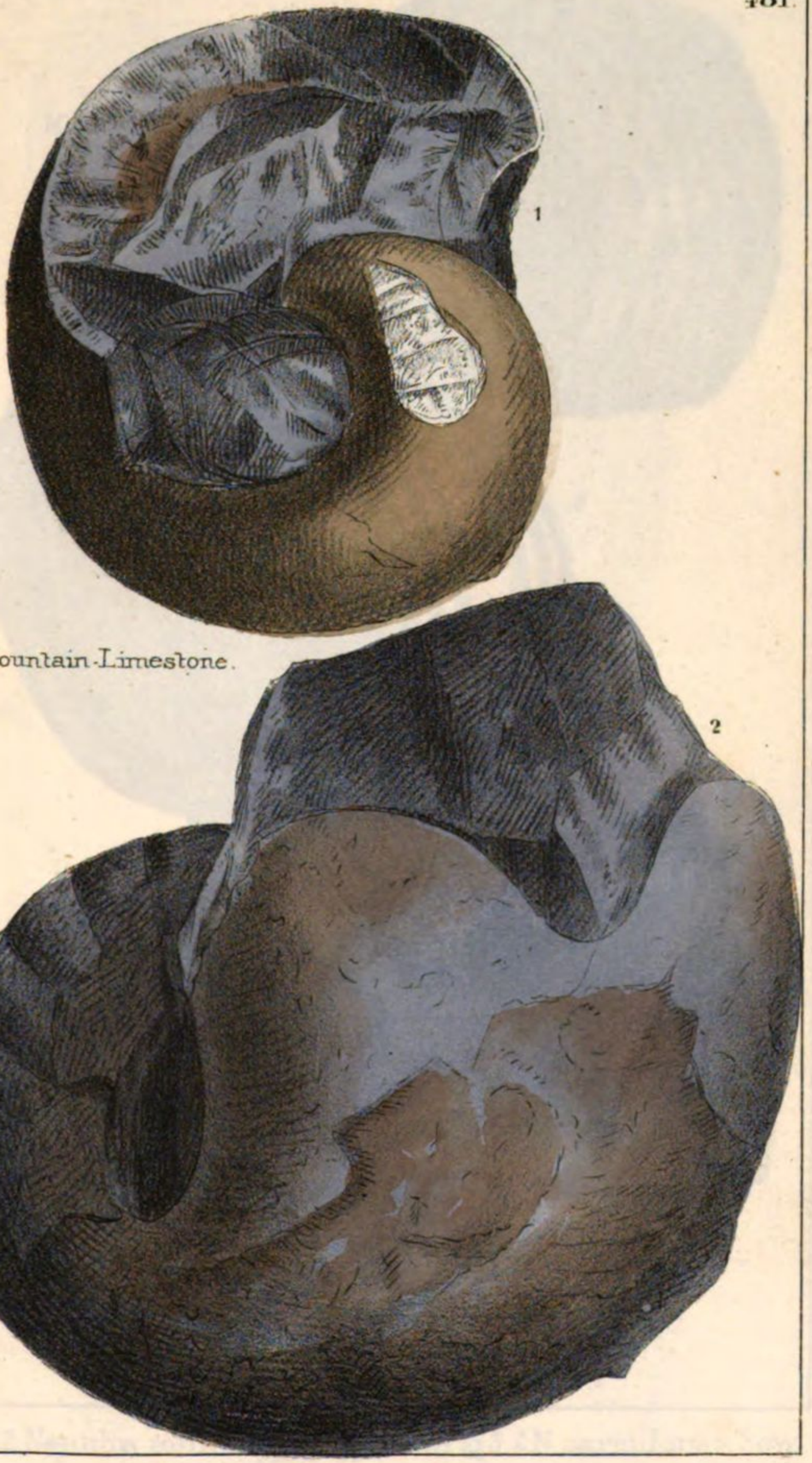
Crag

Crag

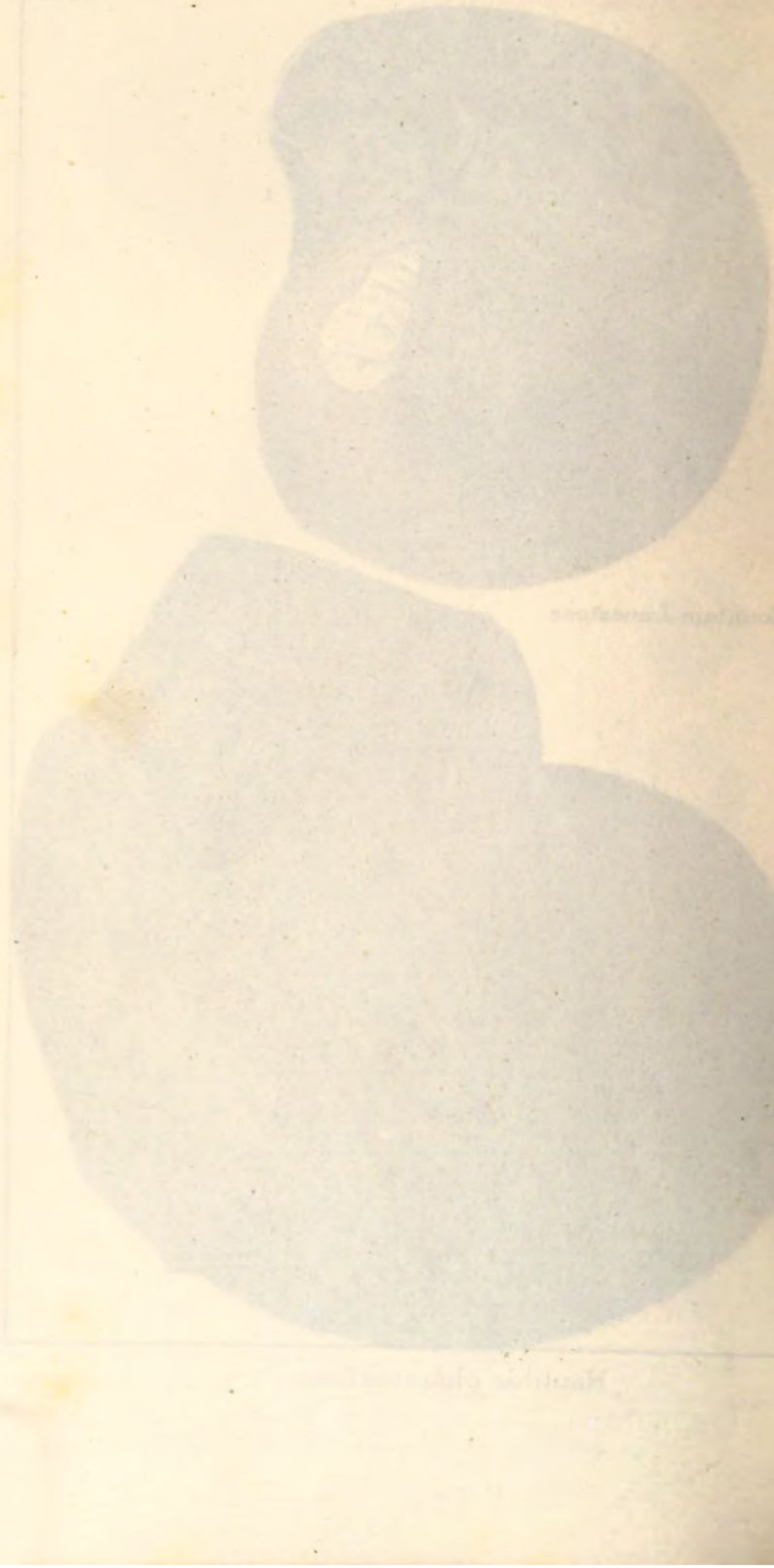
London Clay.

480

Tab. 479 Fig. 1.2. Natica cirriformis Sow. Fig. 3 N. glaucinoides Sow.
Fig. 4.5 N. hemiclausa Sow. Fig. 6.7. N. sigaretina Defr.
Tab. 480 Clavagella coronata Desh.



Nautilus globatus Sow.



Mountain-Limestone.

1

2

Mountain-Limestone.

3

4

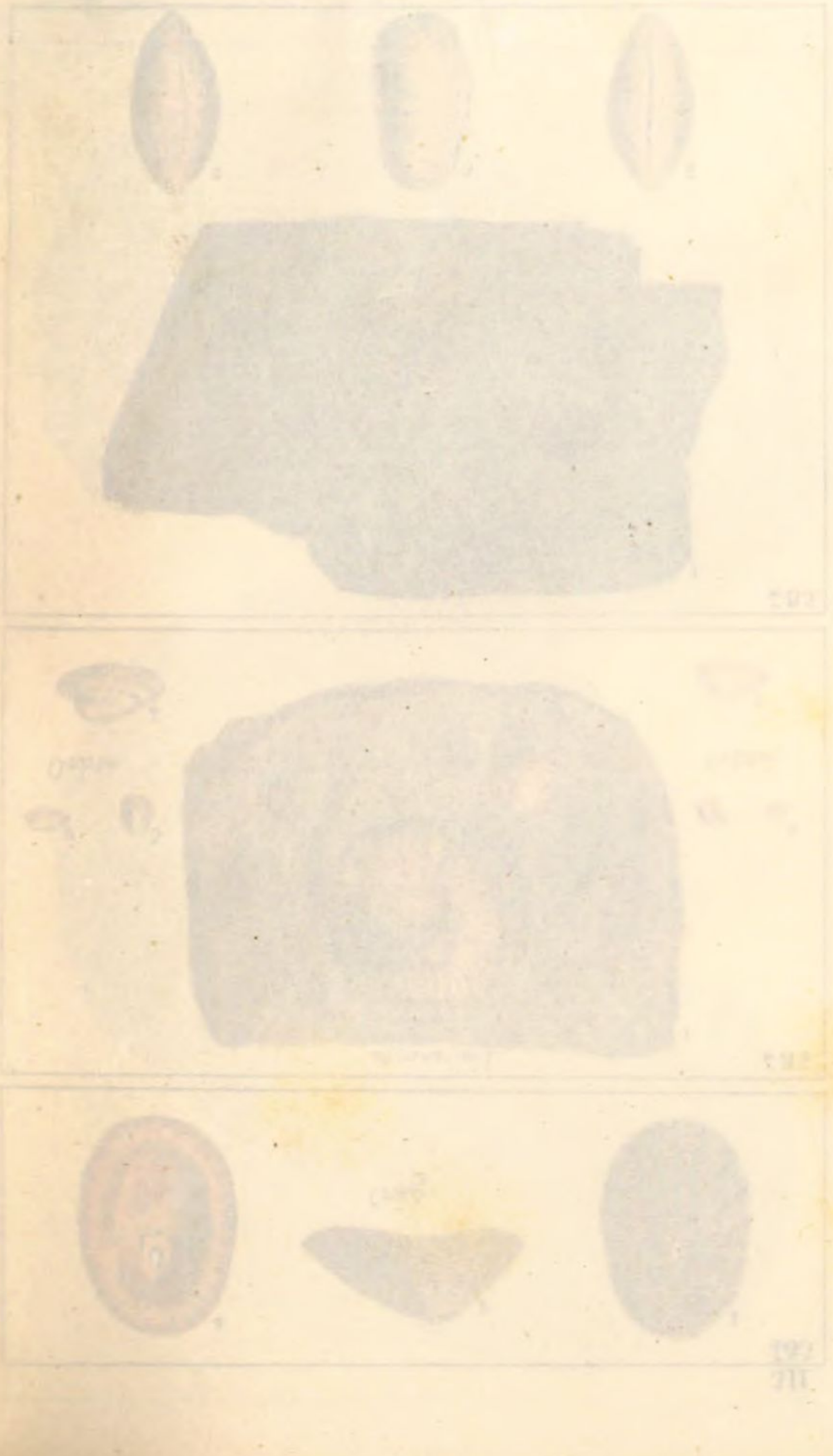
Fig. 1. 2. Nautilus multicarinatus Sow. Fig. 3. 4 N. cariniferus Sow.

311.
483.

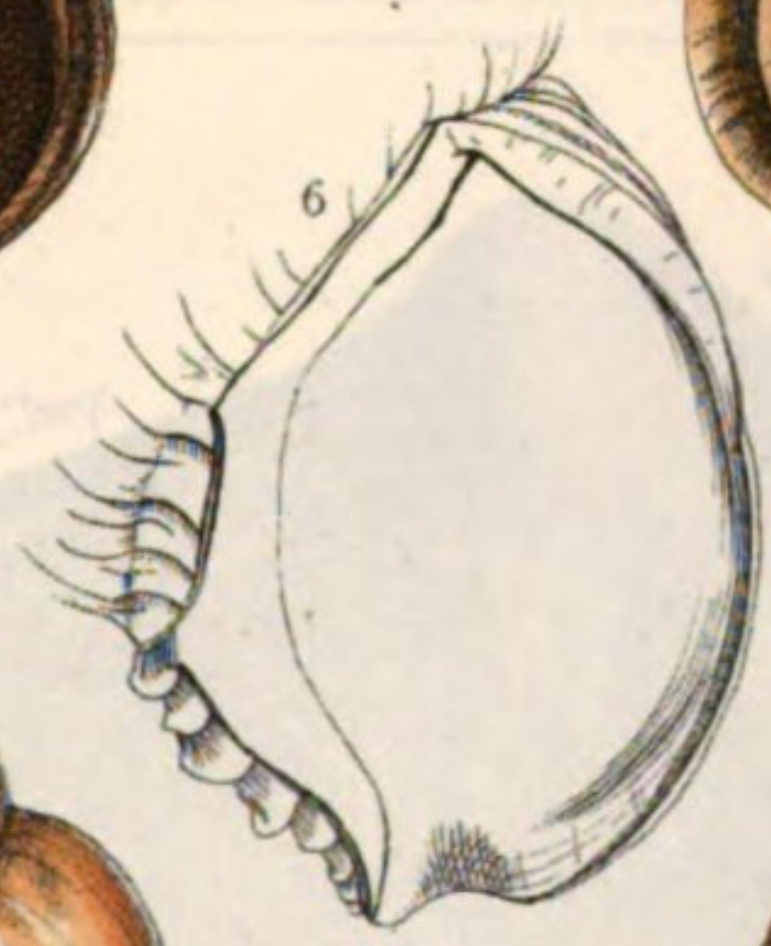
484.

485.

Tab. 483 Fissurella gracca Lam.
Tab. 484 Fig. 1 Patella lata Sow.-Fig. 2. 3. 4. P. ancyloides Sow.-Fig. 5. 6. 7 P. nana Sow.
Tab. 485. Cypris Faba ? Desmar.



Crag.



Crag.

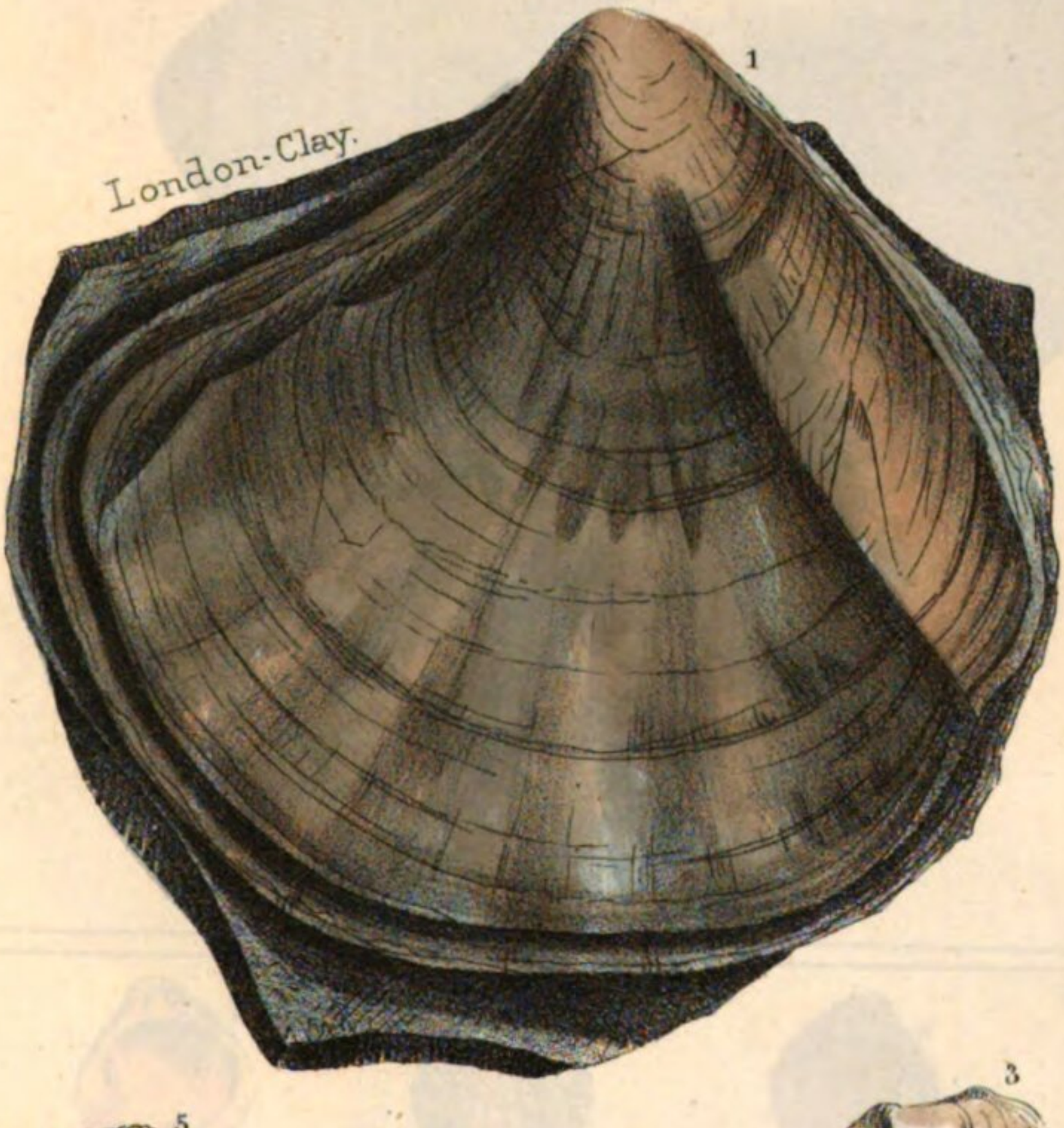
Fig. 1.2.3. Buccinum Dalei Sow. - Fig. 4.5.6. B. tenerum. Sow. -
Fig. 7.8.9. B. unilineatum Sow.

487.

London-Clay.

488.

London-Clay.



Tab. 487 Volvaria acutiuscula Sow.

Tab. 488. Fig. 1. Ostrea lacvriuscula Sow. Fig. 2.3.4. O. obscura Sow.
Fig. 5.6. O. costata Sow.

489.

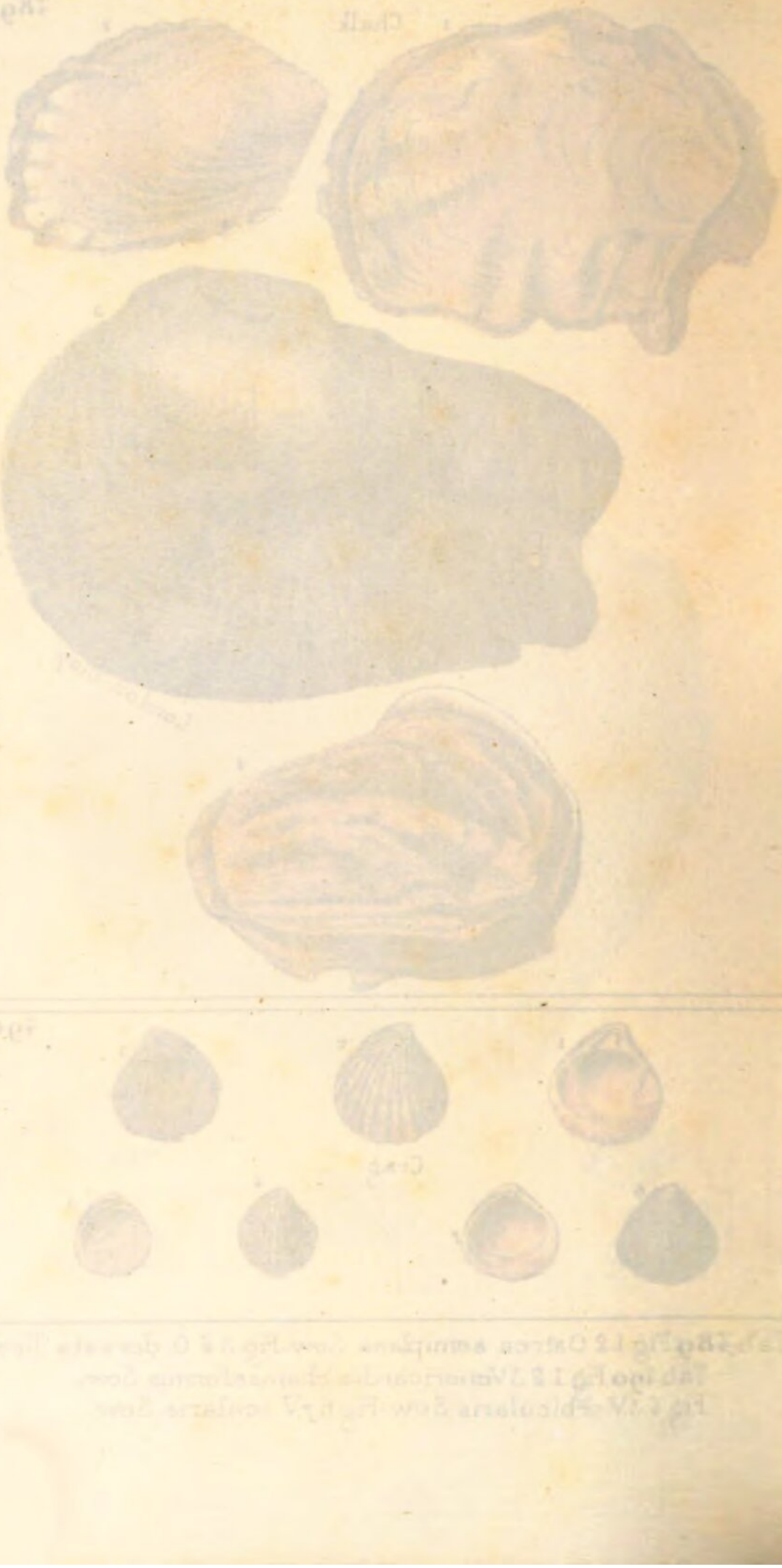
Chalk.

London-clay.

490.

Crag

Tab. **489**. Fig. 1. 2 Ostrea semiplana Sow. Fig. 3. 4. O. dorsata Desh.
Tab. **490** Fig. 1. 2. 3 Venericardia chamaeformis Sow.
Fig. 4. 5. V. orbicularis Sow. Fig. 6. 7. V. scalaris. Sow.



1

Cornbrash.

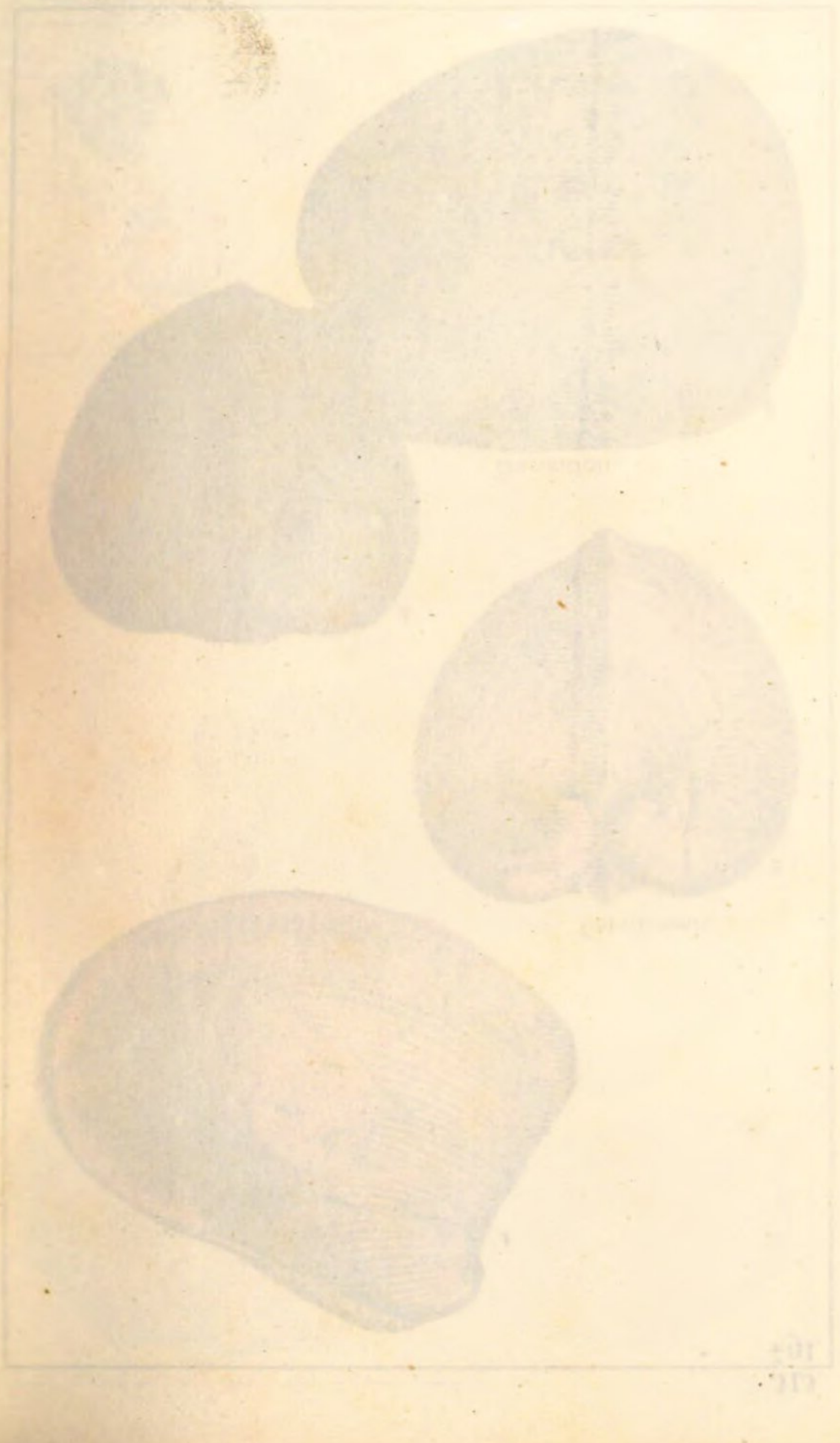
2

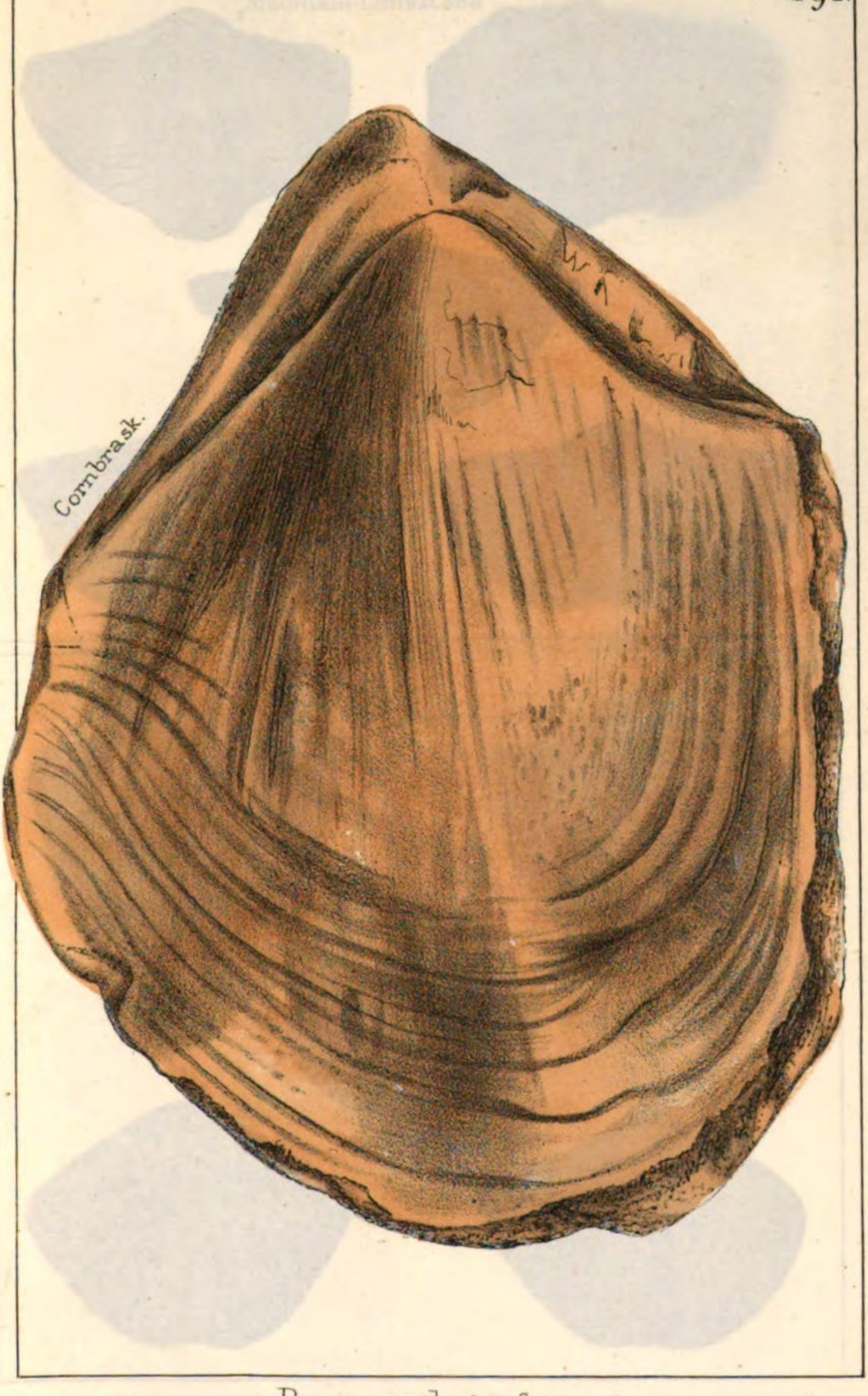
3

Transition.

4

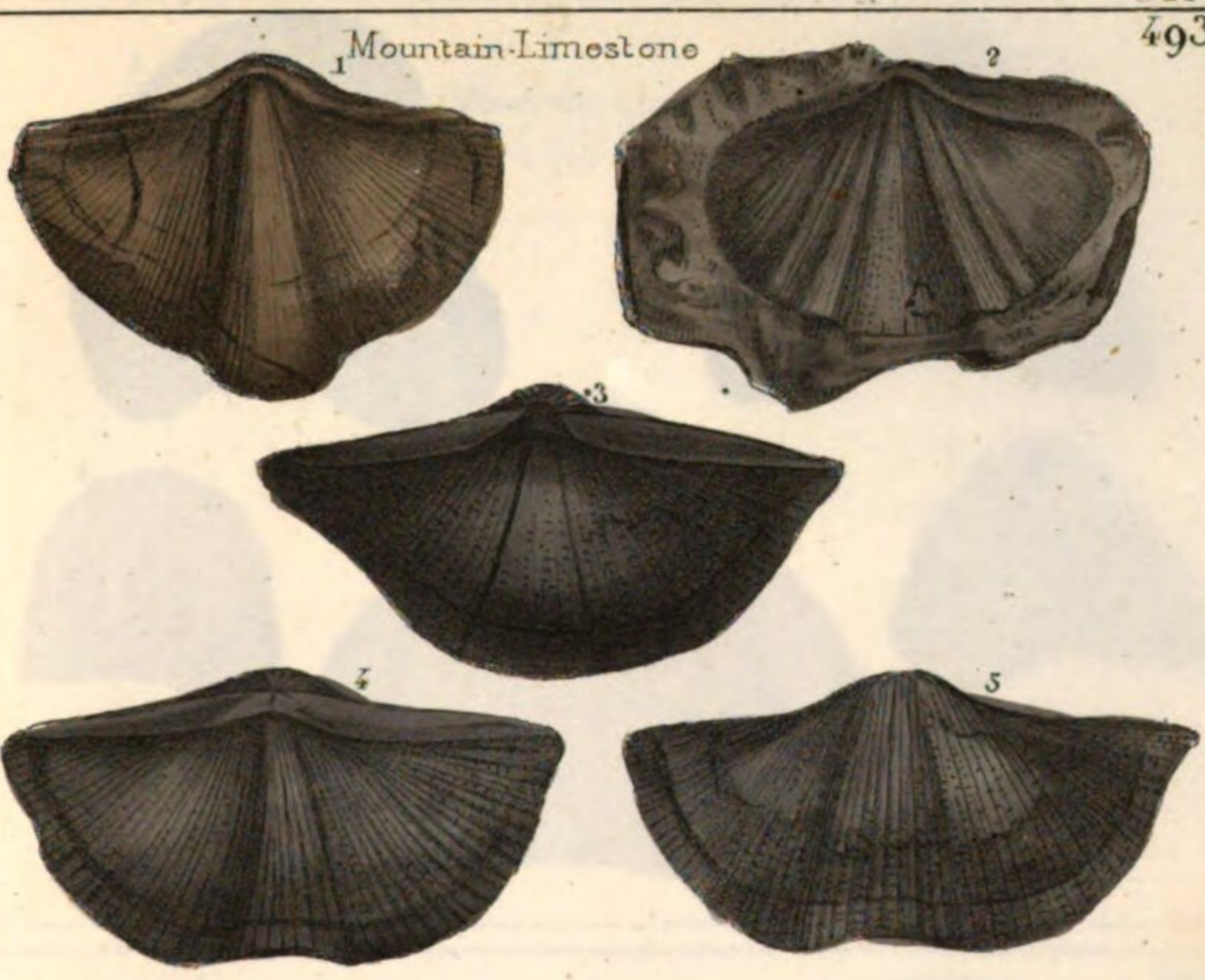
Fig.1.2. Isocardia concentrica Sow. Fig.3.4. I. oblonga Sow.





Perna quadrata Sow.

493.



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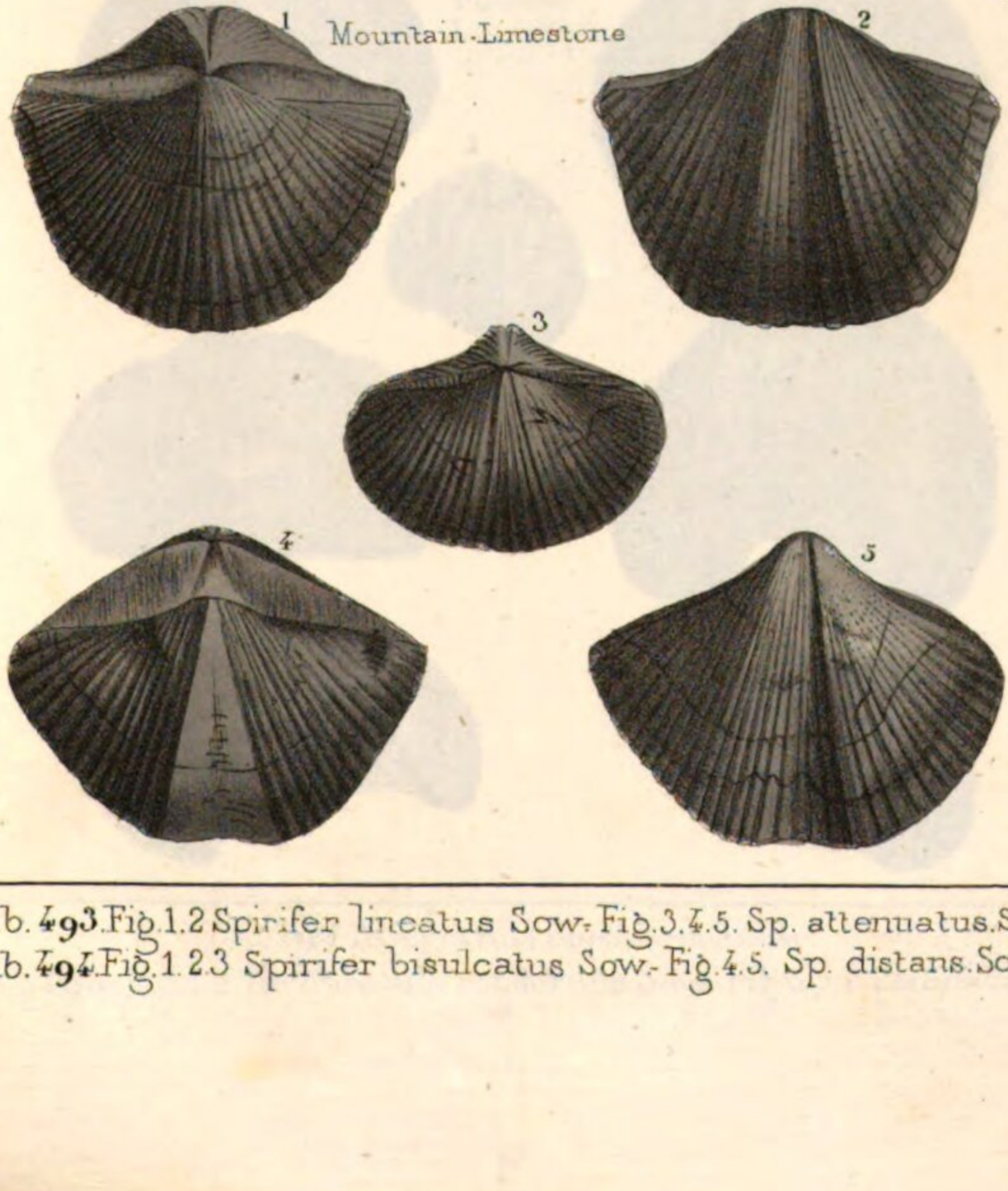
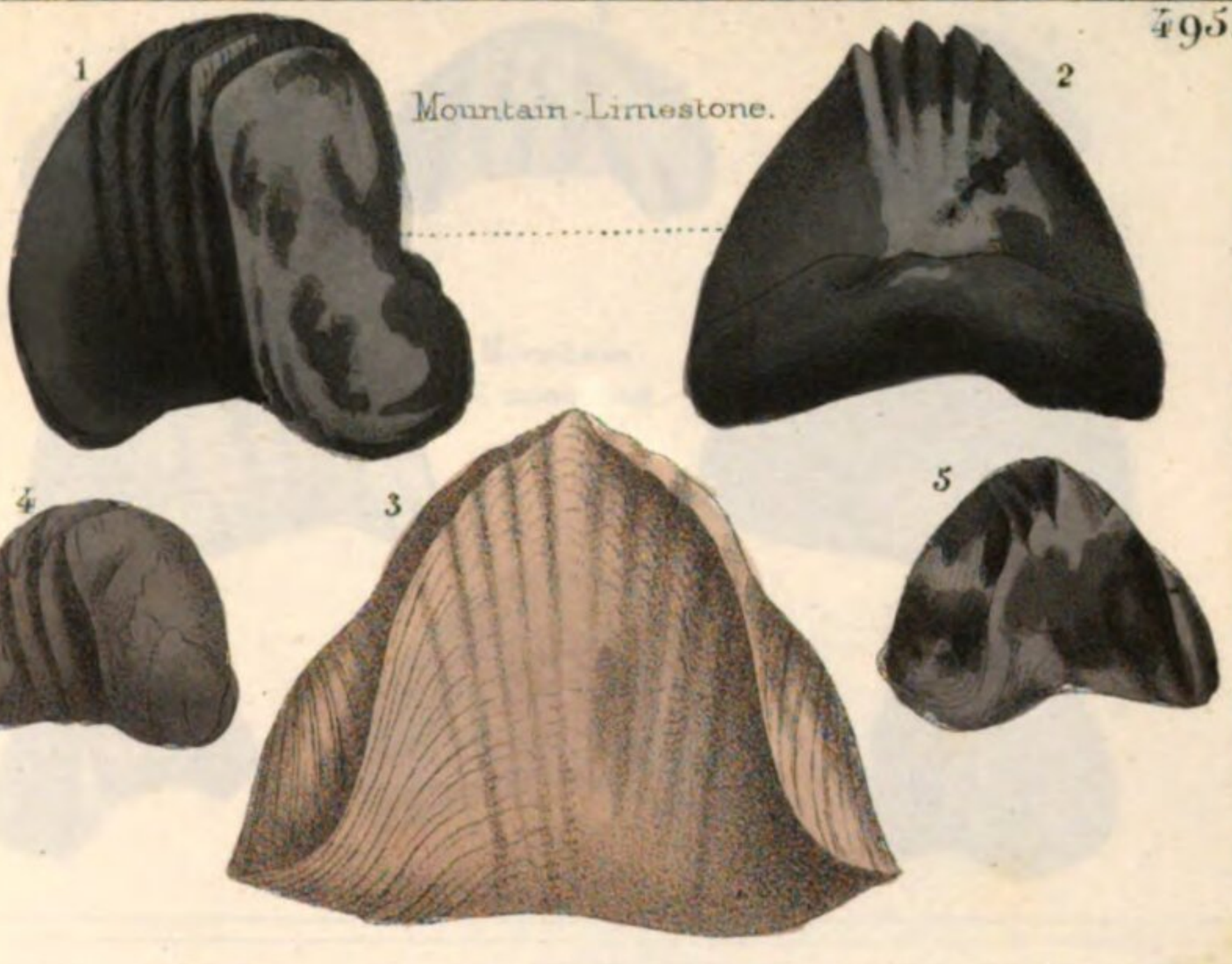


Tab. 493. Fig. 1. 2 Spirifer lineatus Sow. Fig. 3. 4. 5. Sp. attenuatus. Sow.
Tab. 494. Fig. 1. 2. 3 Spirifer bisulcatus Sow. Fig. 4. 5. Sp. distans. Sow.

495.



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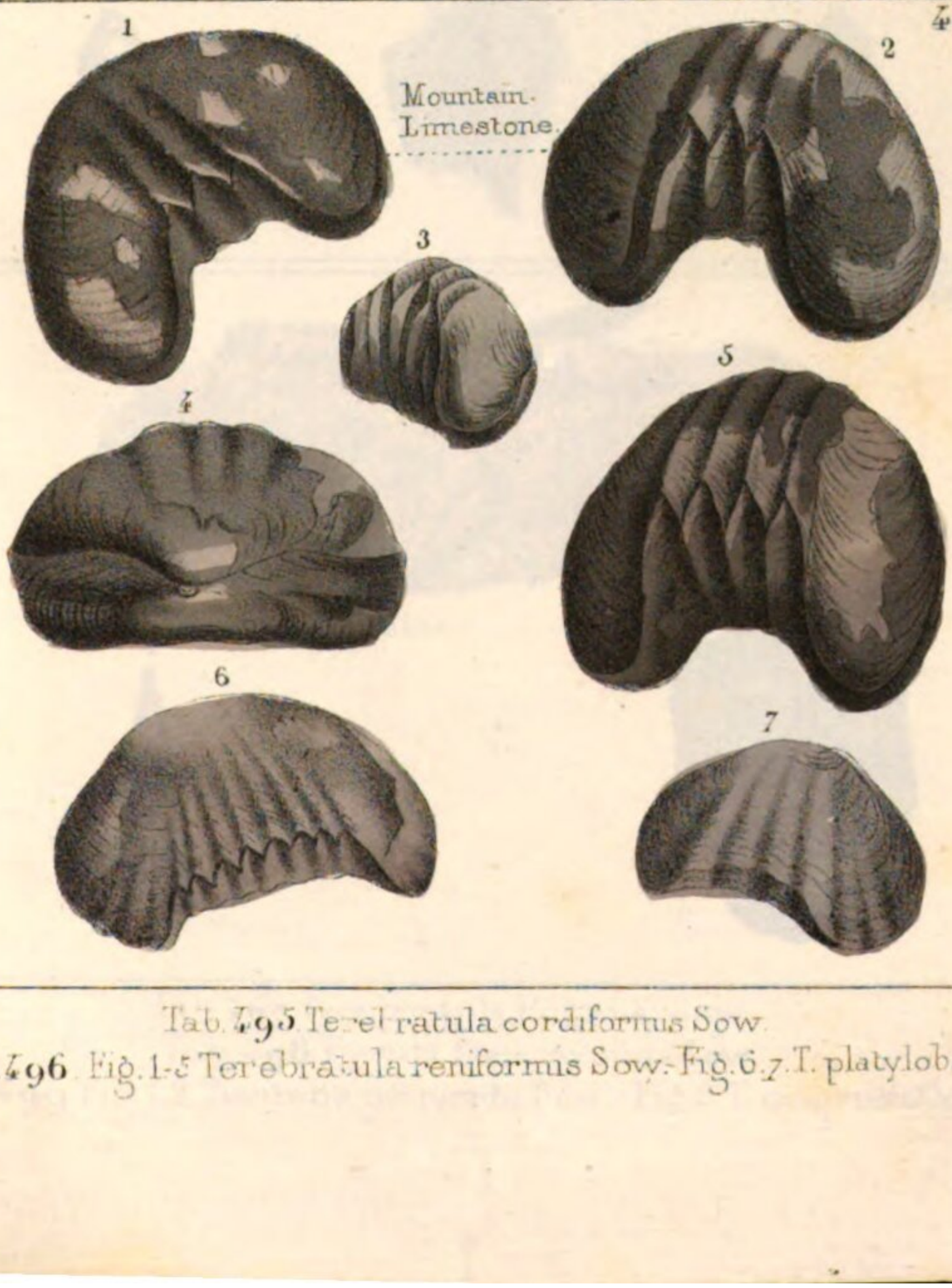
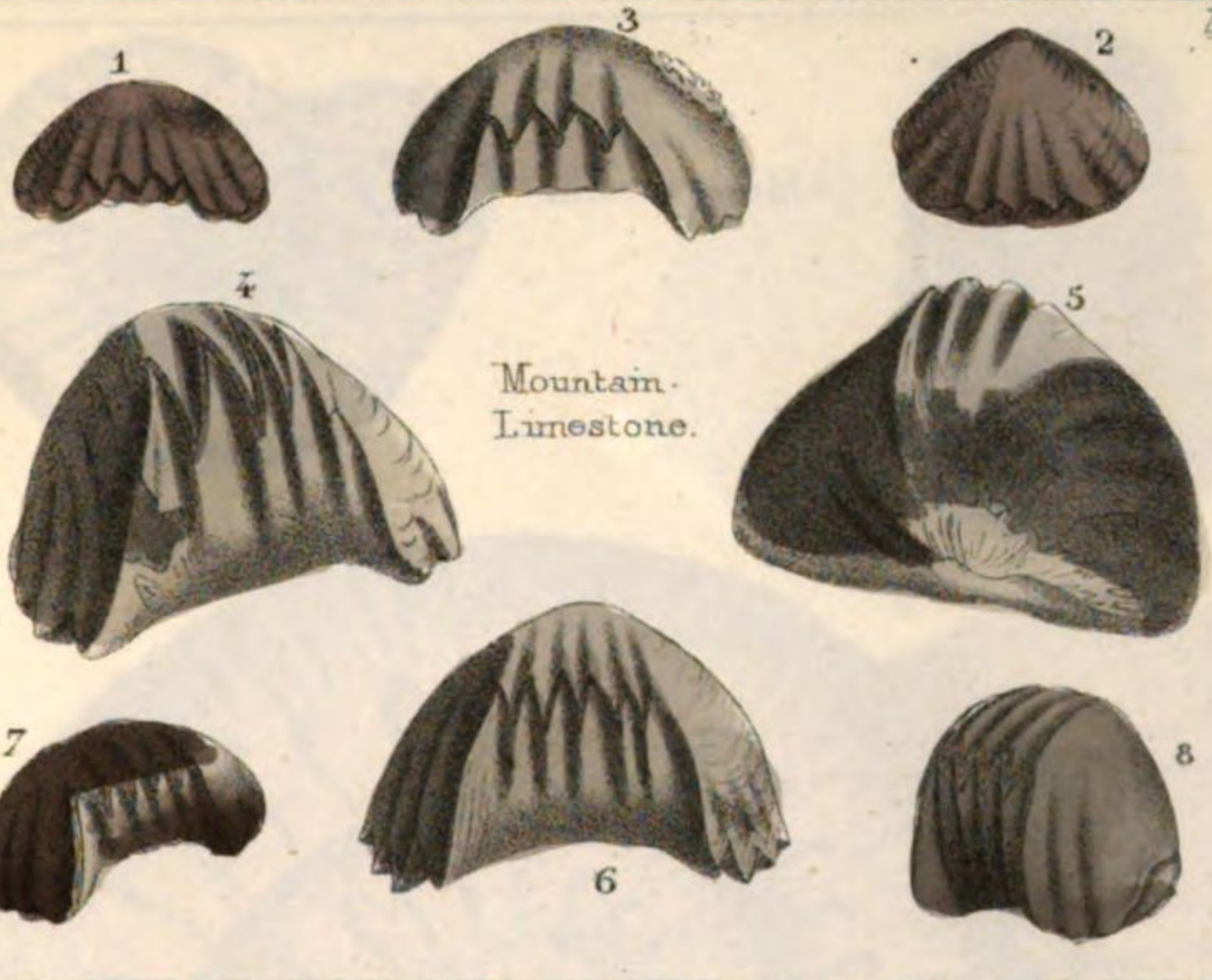


Tab. 495 Terebratula cordiformis Sow.

Tab. 496 Fig. 1-5 Terebratula reniformis Sow. Fig. 6, 7. T. platyloba Sow.

497.



498

499.

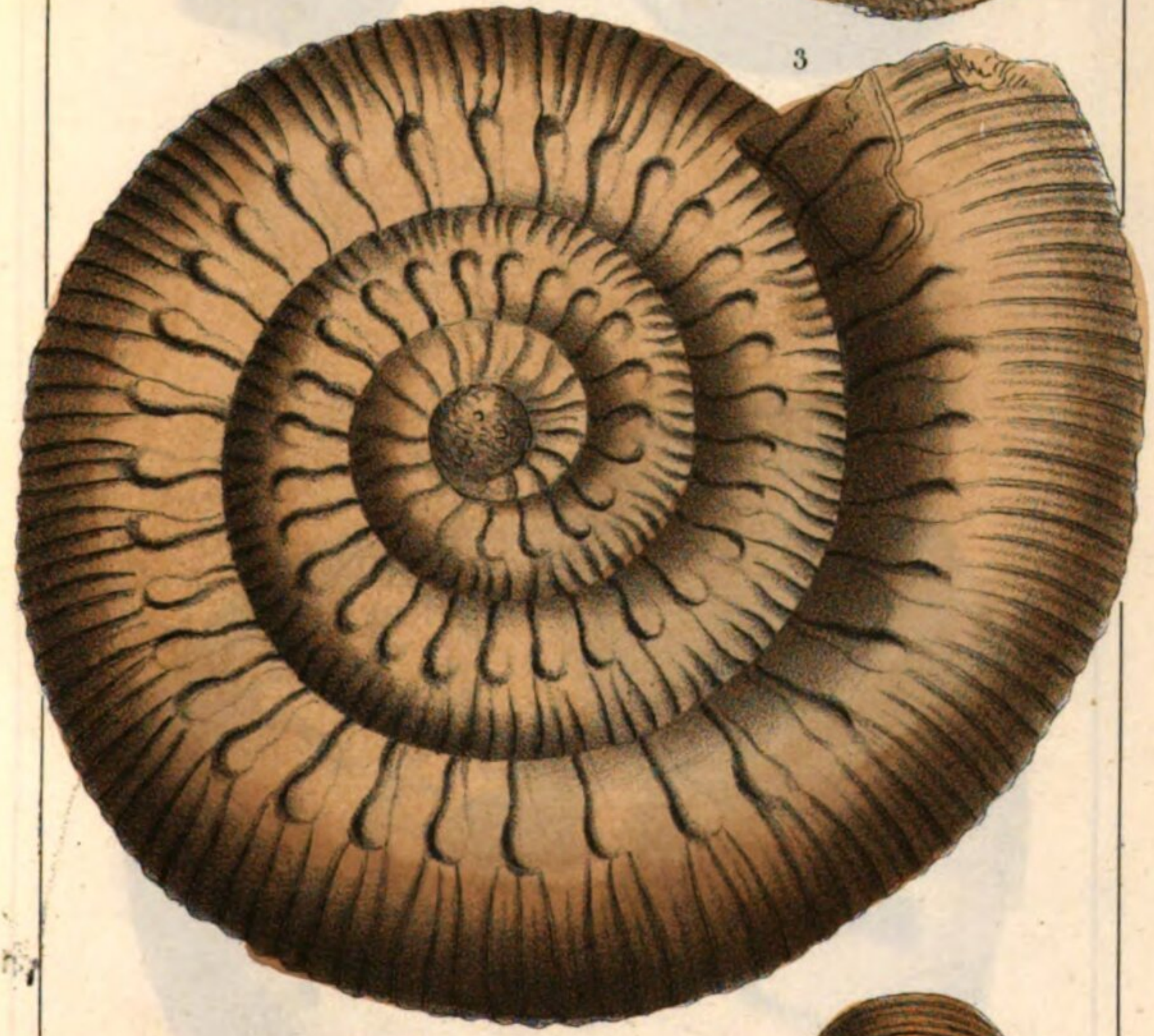
Tab. 497. Terebratula Pugnus Sow.
Tab. 498. Pyrula Greenwoodi Sow.
Tab. 499. Fig. 1. 2 Turitella muricata Sow. - Fig. 3. T. cingenda Sow.

1

Inferior Oolite.

2

3



4

Inferior Oolite.

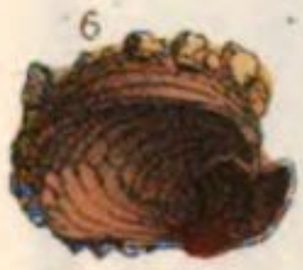
5

Fig. 123 Ammonites Humphresianus Sow. Fig. 4.5. Am. contractus Sow.

Fig. 1.2 Ammonites Listeri Martin. Fig. 3.4 Am. longispinus Sow.

322.
502

Greensand.



503.

Inf. Oolit

Lias

Tab. 502 Fig. 1. 2 Terebratula lata Sow.- Fig. 3. 4. 5 T. depressa Sow:
Fig. 6. 7 T. nuciformis Sow.- Fig. 8. 9 T. acuta Sow.
Tab. 503 Fig. 1. 2. Terebratula plicatella Sow.- Fig. 3. 4. T. serrata Sow.

504. & 505.

506.

Fig. 1 2 3 Orbicula reflexa Sow.-Fig. 4 5 6 O. Humphresiana Sow.-
Fig. 7 8 O. granulata Sow.

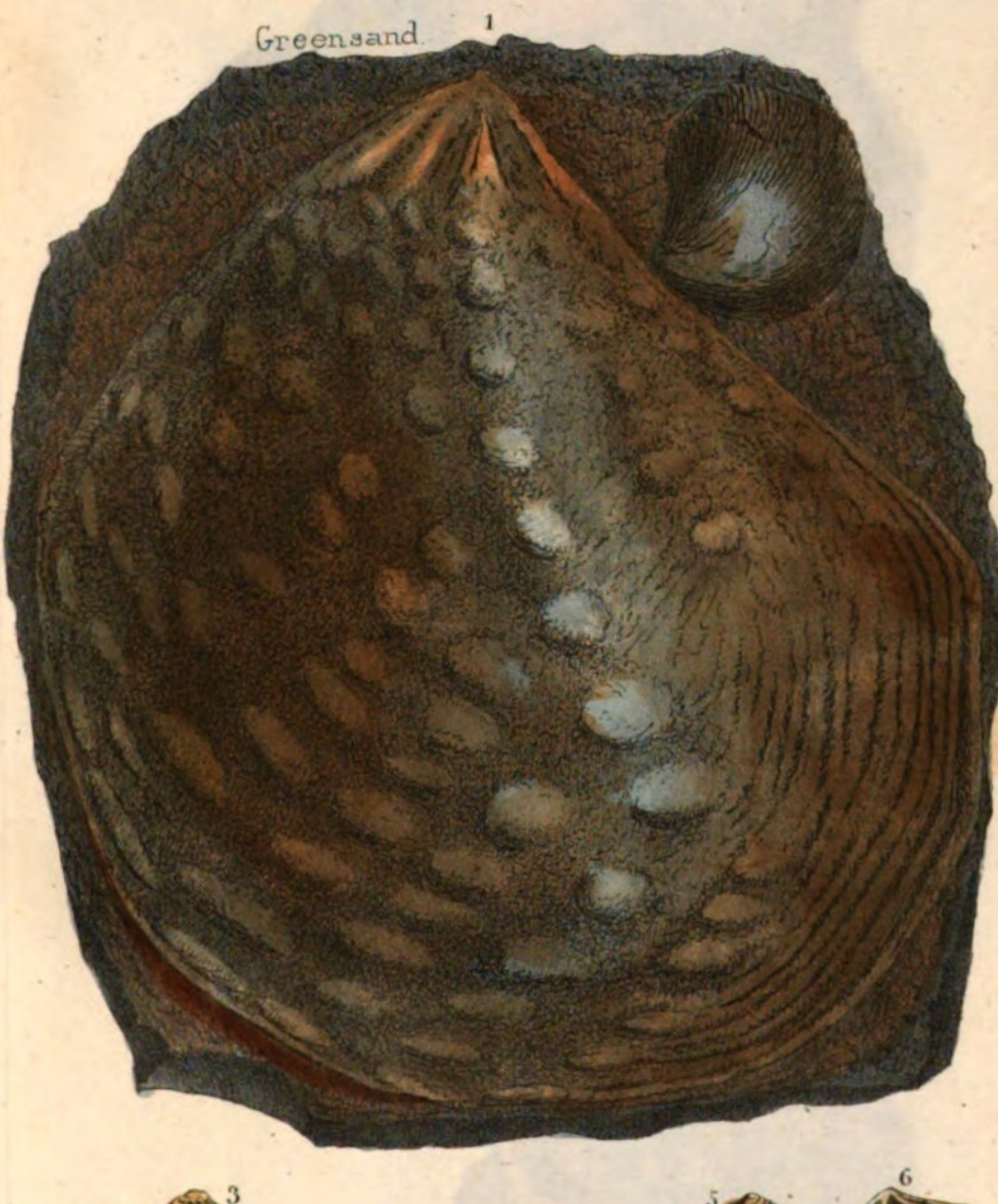


Fig. 1. Trigonia nodosa Sow. Fig. 2.3. T. imbricata Sow. Fig. 4.5.6. T. cuspidata. Sow.

508.

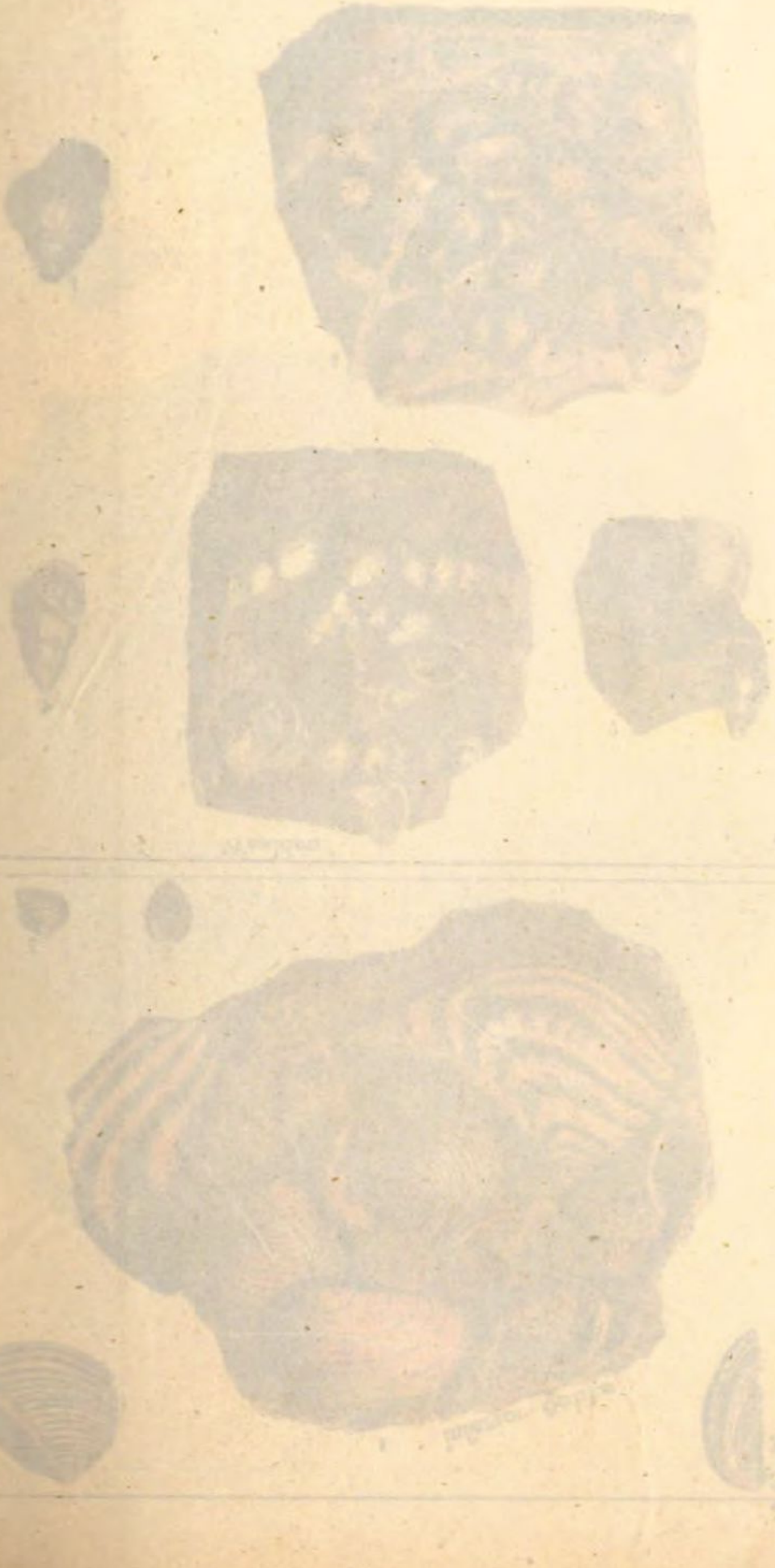
Inferior-Oolite.

509.

Wealden.

Tab. **508** Fig. 1 Trigonia angulata Sow. Fig. 2-5. T. Pullus Sow.

Tab. **509**. Fig. 1 2 3. Paludina elongata Sow. Fig. 4. 5. P. carinifera Sow.



510.

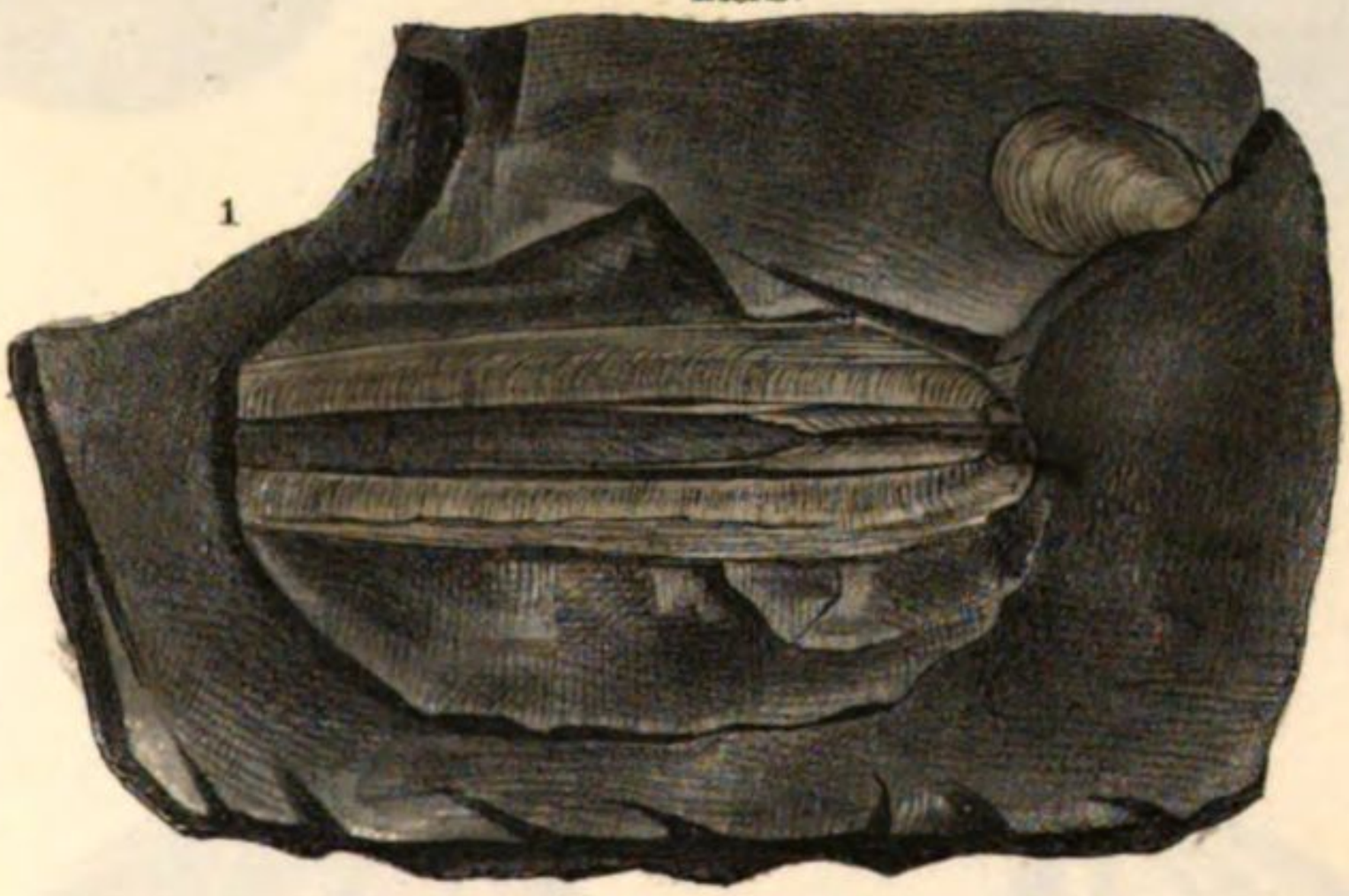
Greensand

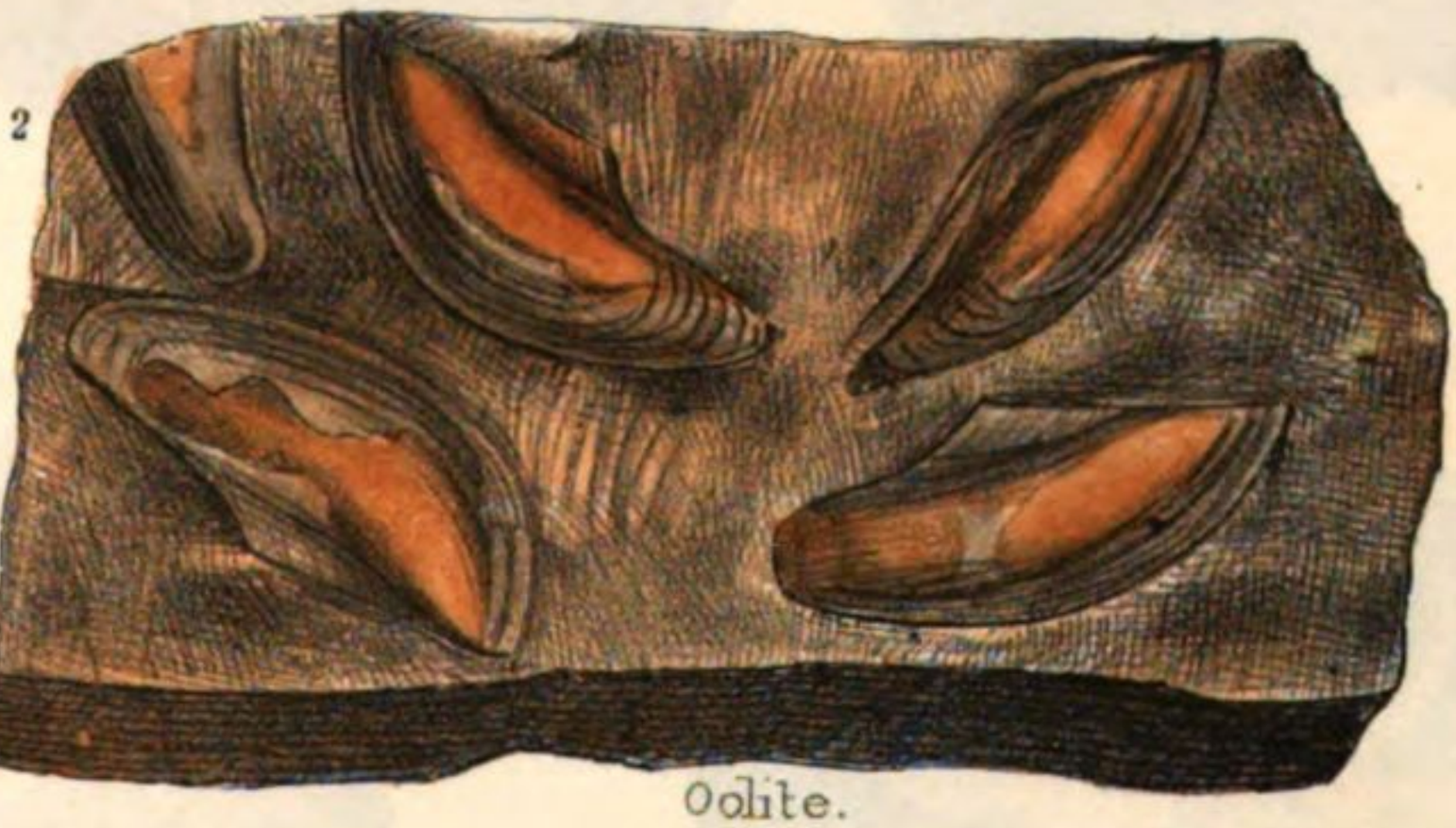
Fig. 1-5 Gervillia solenoides. Defr. Fig. 6 Gervillia? acuta Sow.

Gervilia aviculoides Sow.

Lias.

1

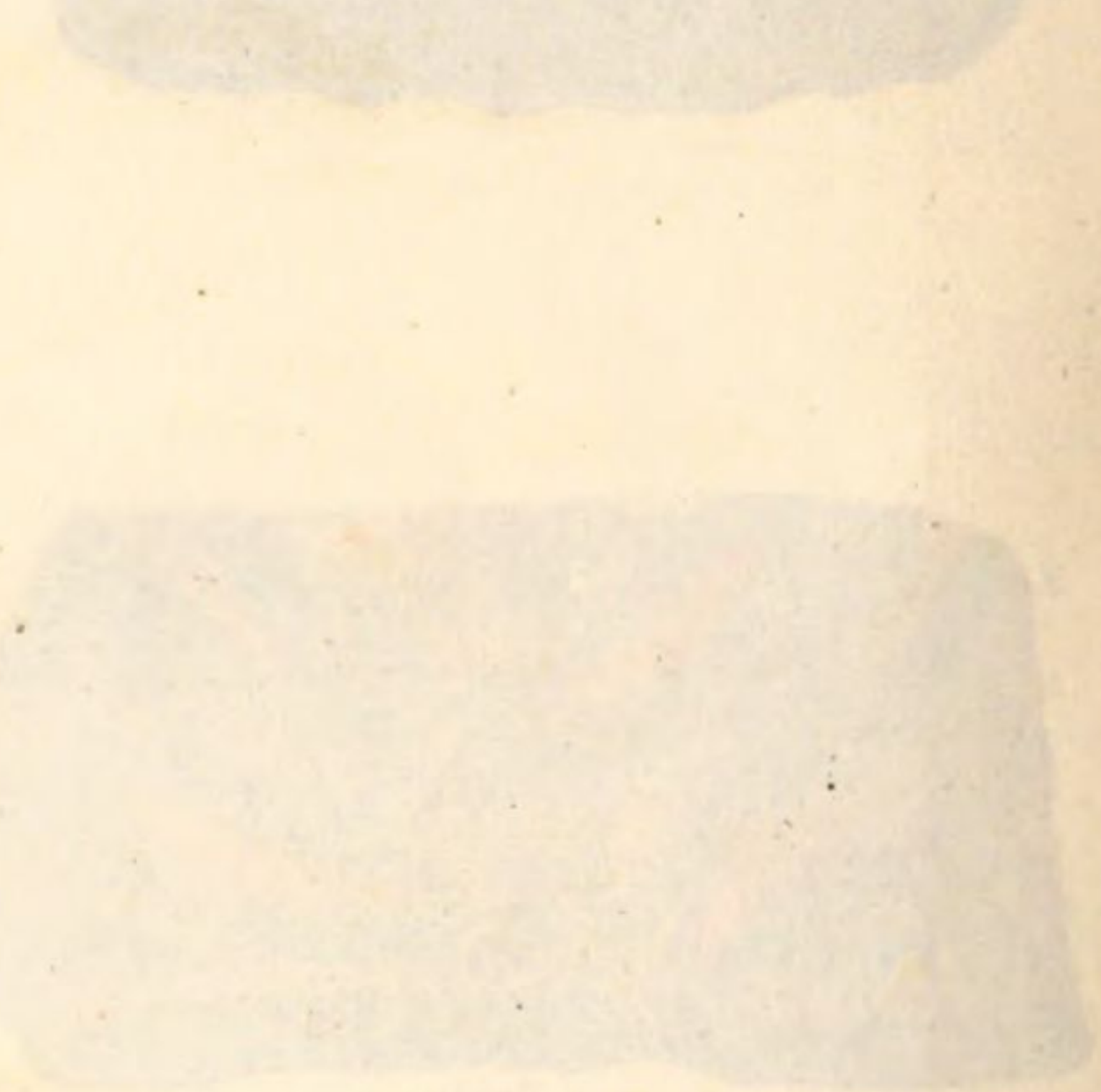




2

Oolite.

Fig. 1. Avicula lanceolata Sow.- Fig. 2. A ovata Sow.



Greensand.

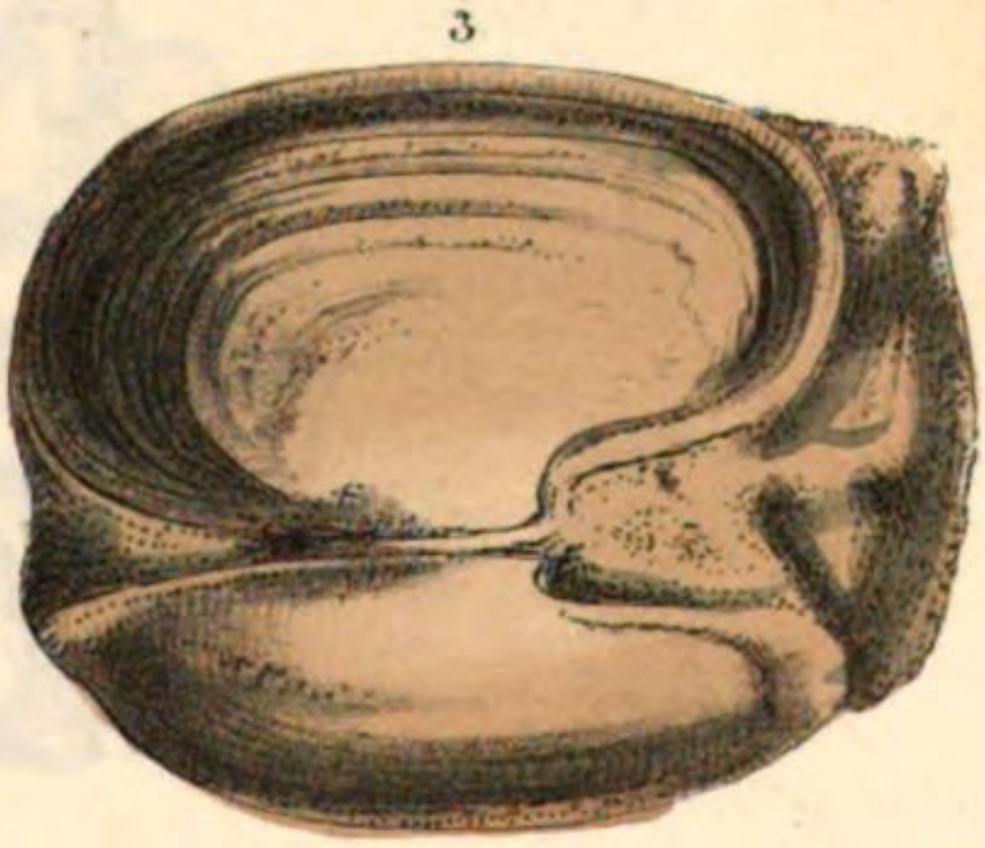
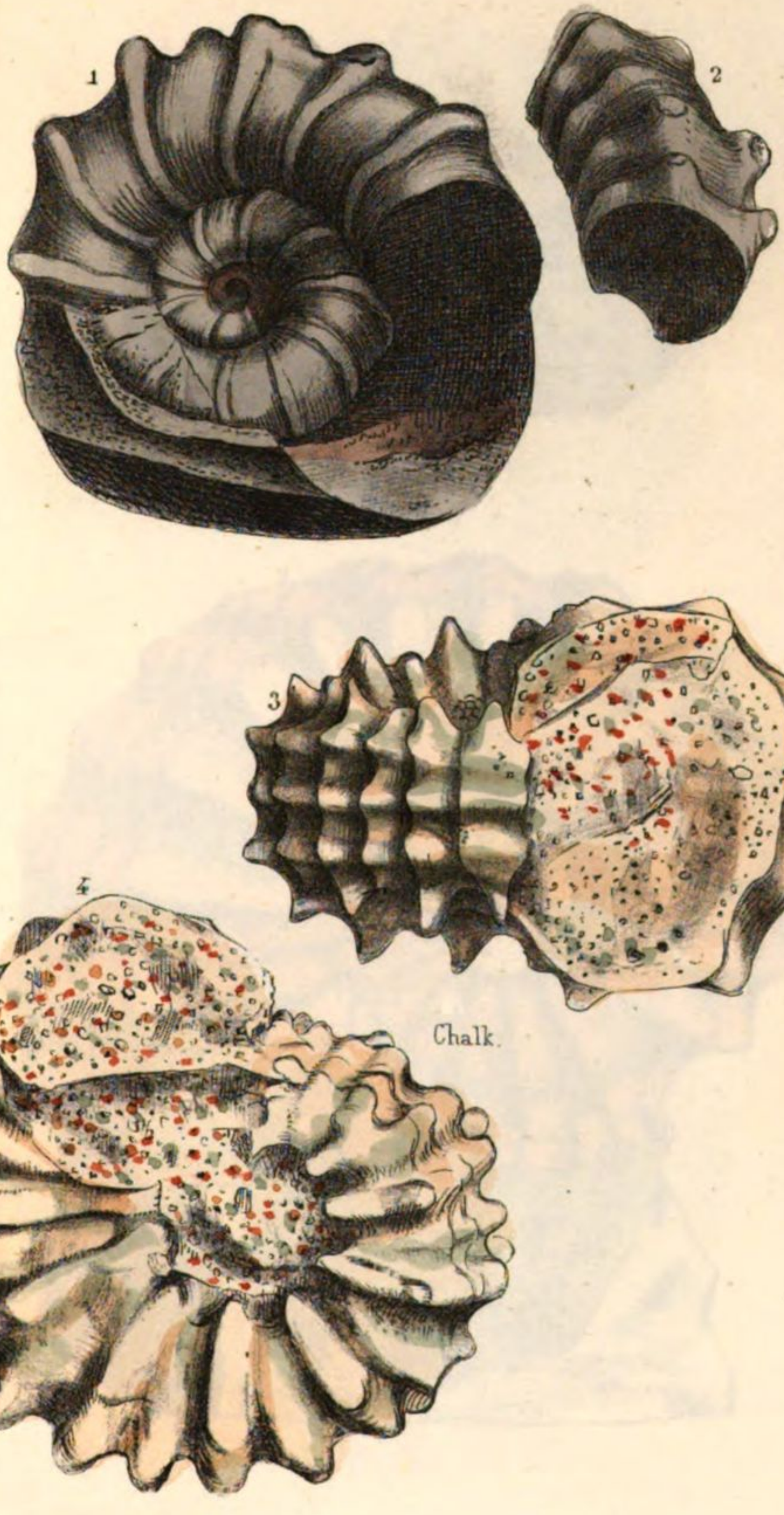


Fig. 1-4 Thetis major Sow-Fig. 5.6.7 T. minor Sow.

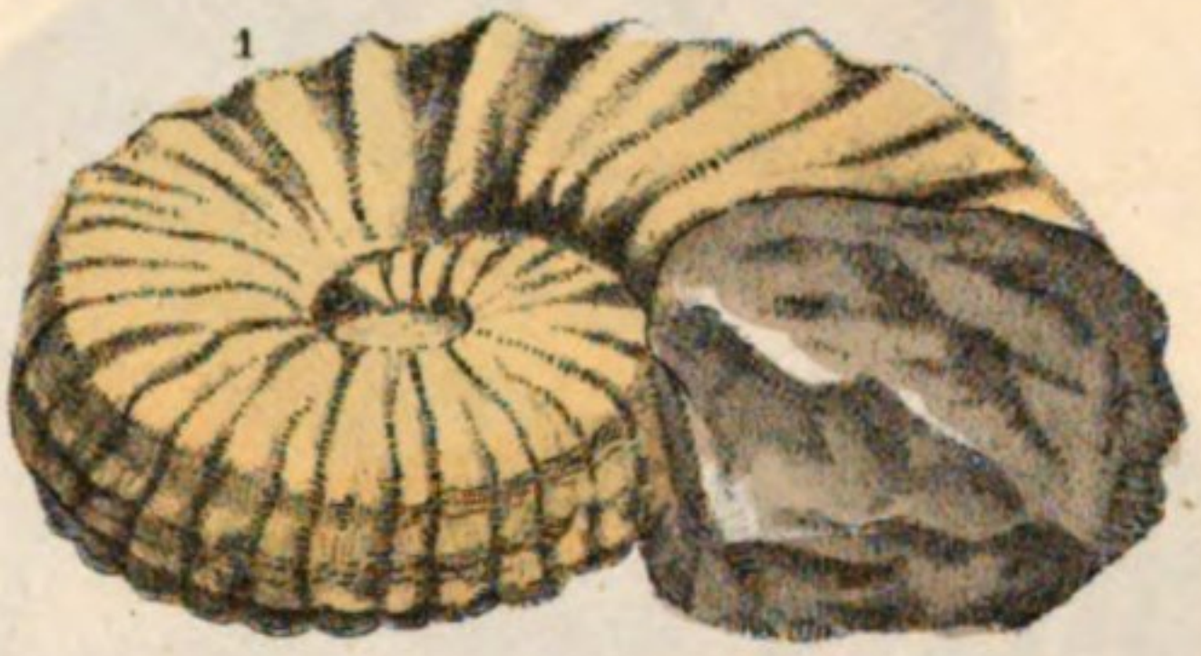
514.



Chalk.

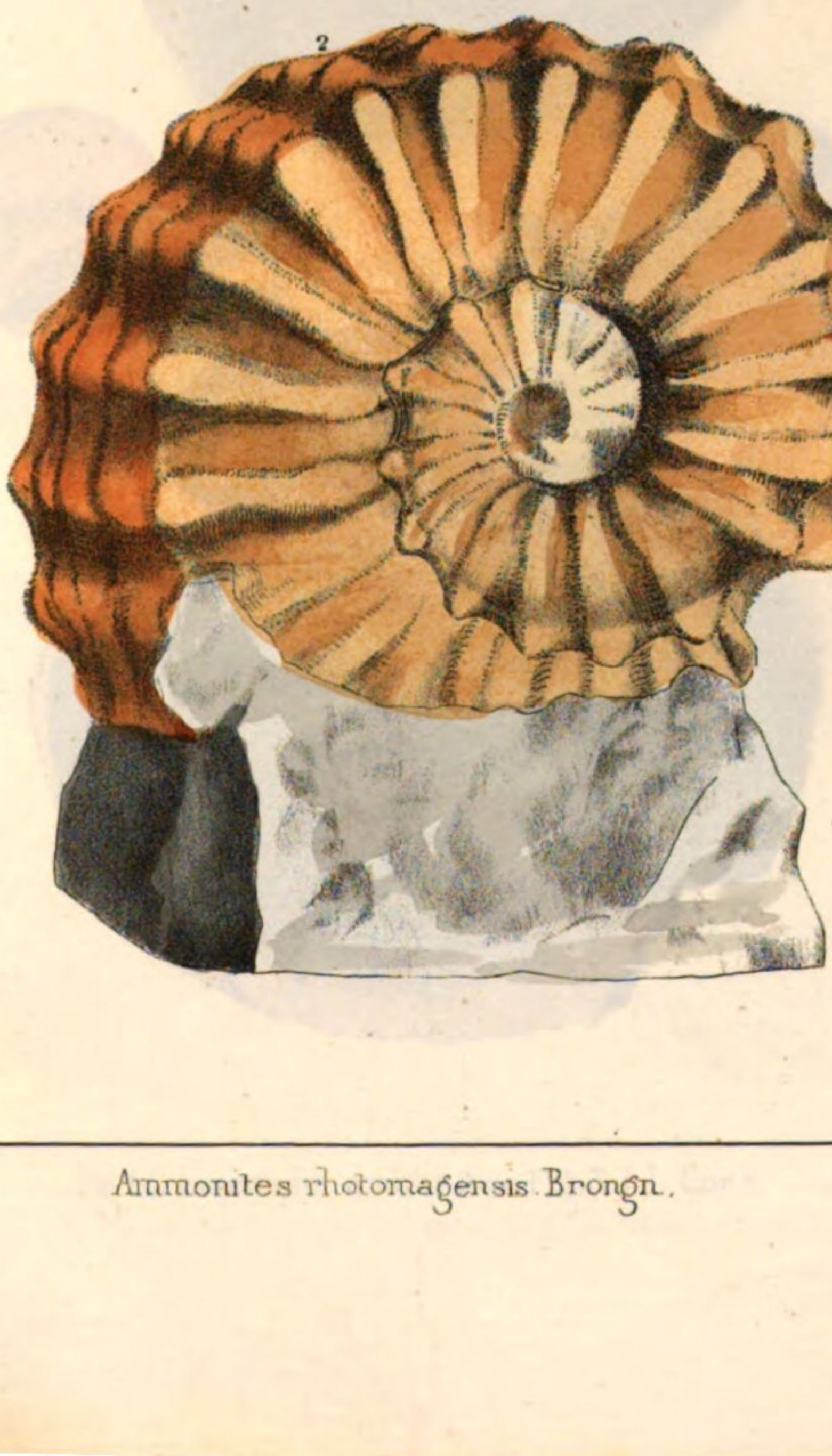
Fig. 1. 2. Ammonites Taylori. Sow.- Fig. 3. 4. A. Hippocastanum Sow.

1



Chalk.

2

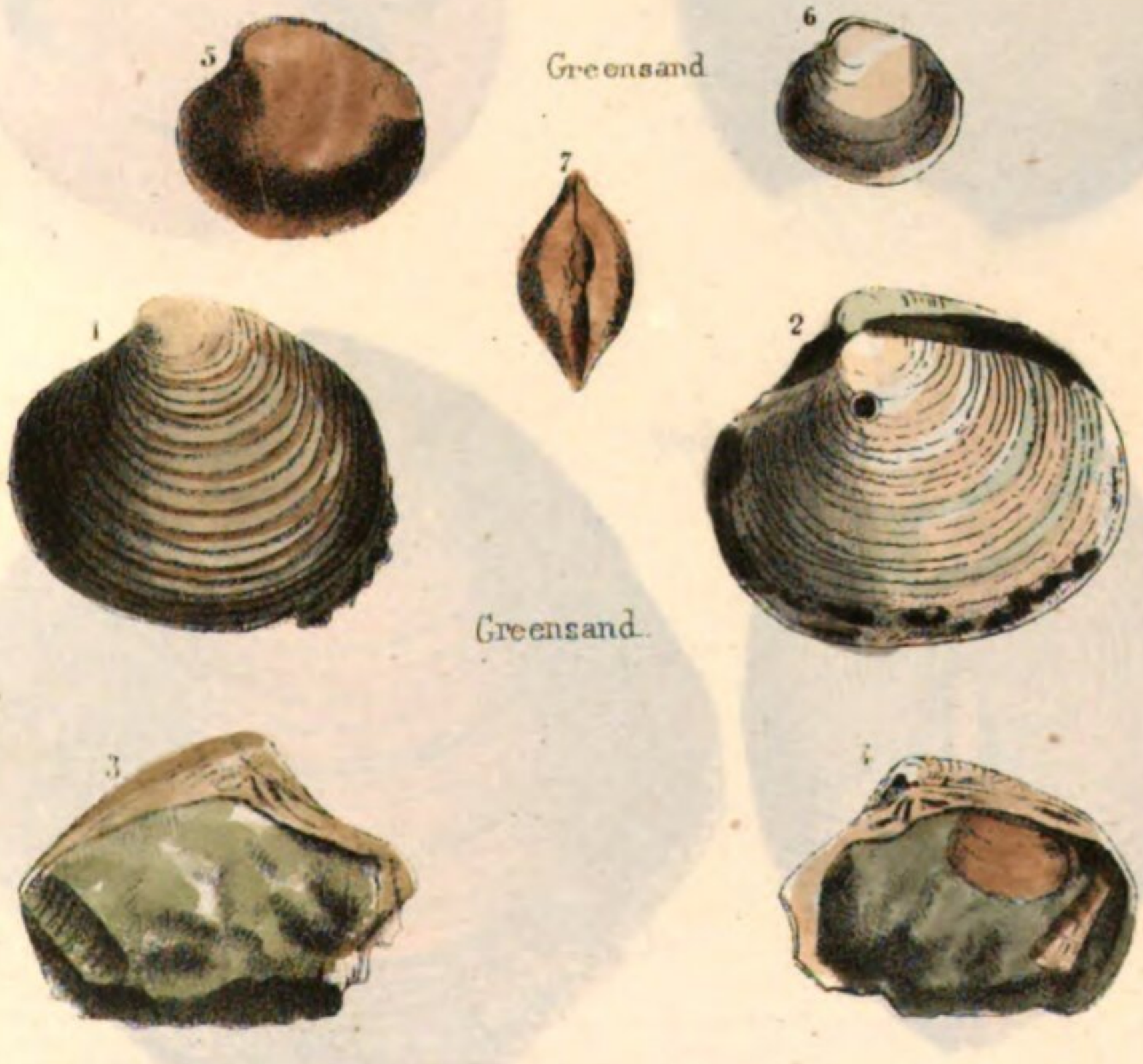


Ammonites rhotomagensis. Brongn.

Fig. 1 2. Isocardia similis Sow. Fig. 3 4. I. Cor ?

517.

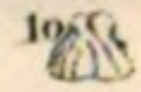
518.



Tab. 517. Unio Solanderi Sow.

Tab. 518. Fig. 1-4 Venus caperata Sow. Fig. 5. 6. 7 Venus parva. Sow.

519.



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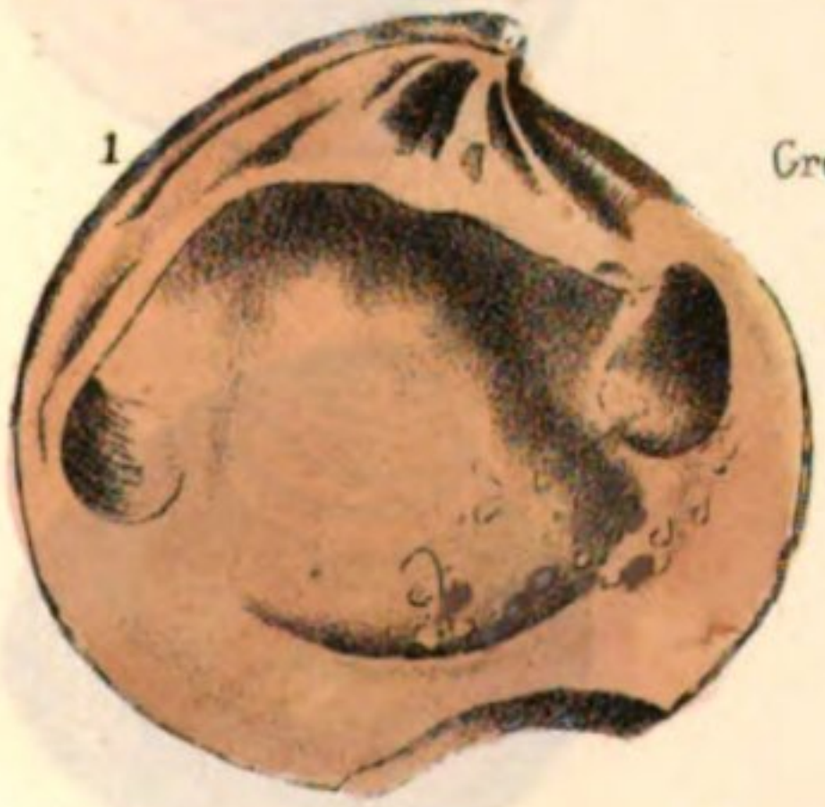
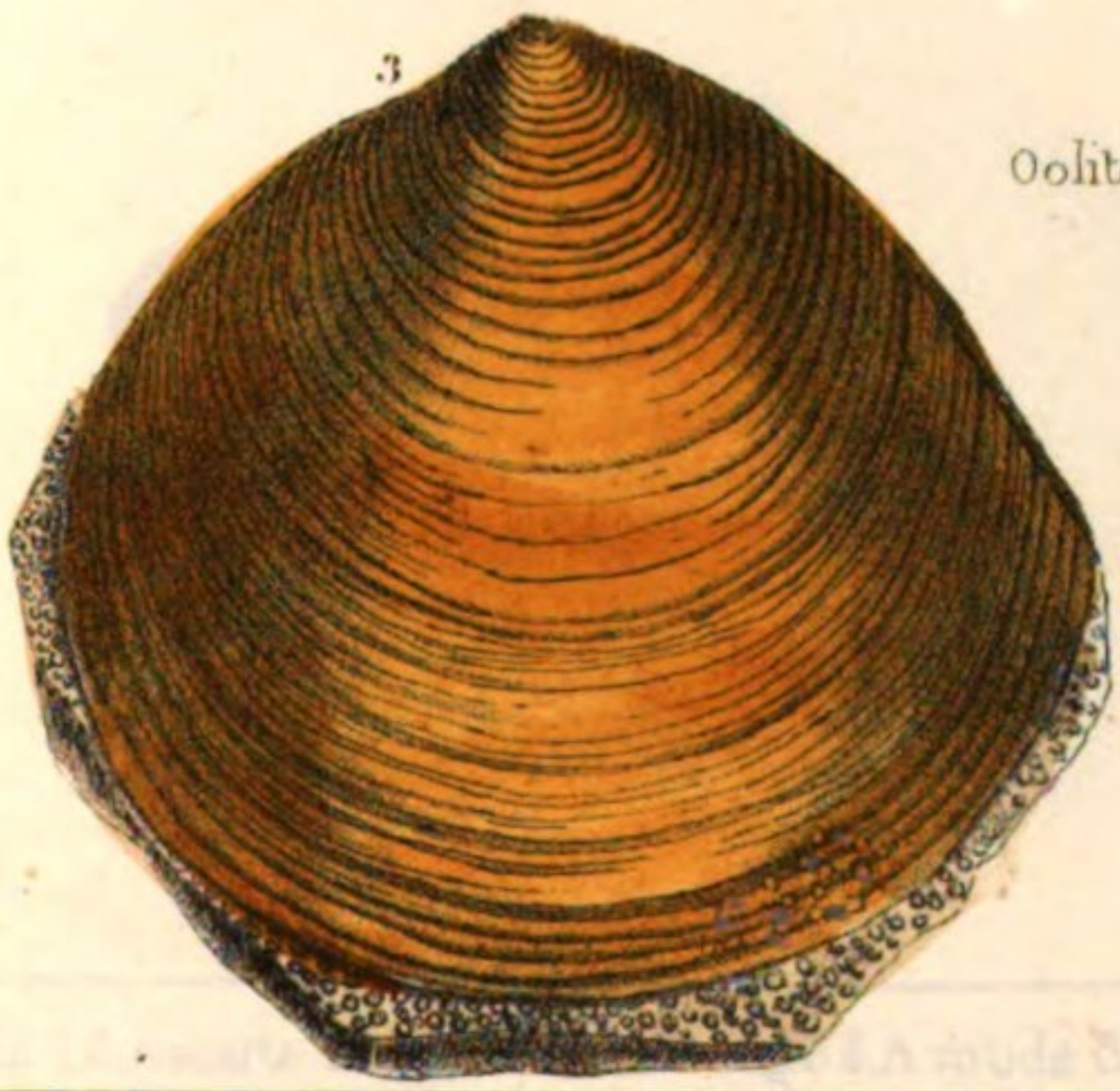
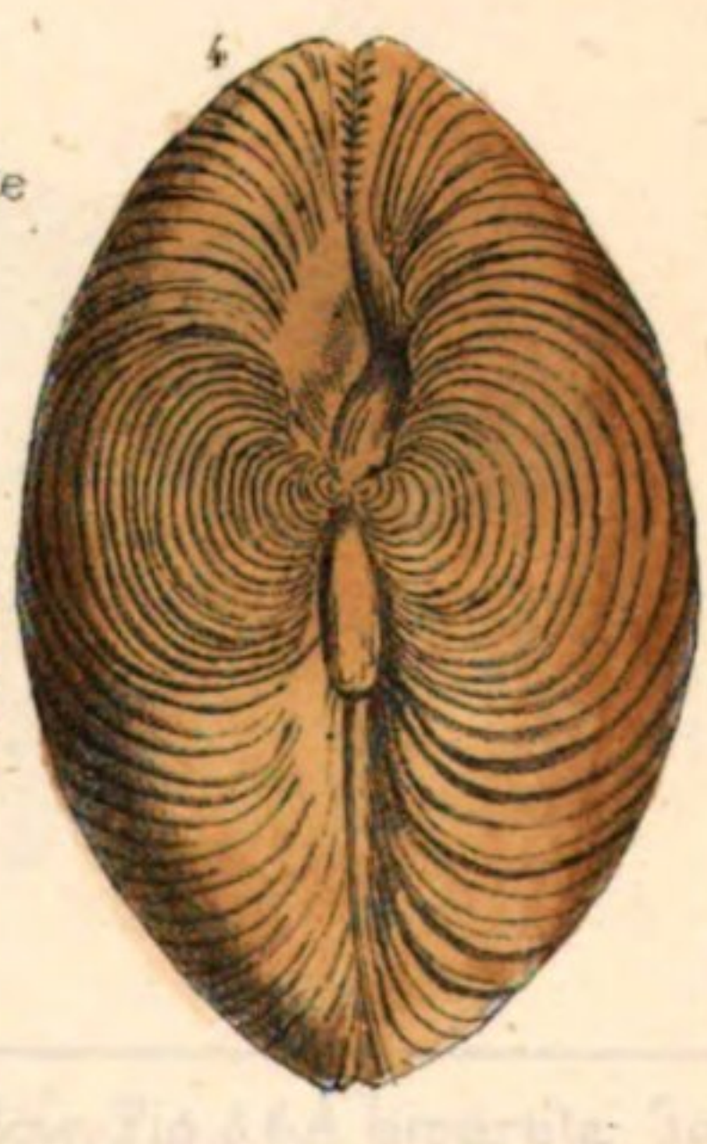


Greensand.



Oolite



Tab.519.Fig.1.2.3 Emarginula clathrata Sow-Fig.4.5.6. E. tricarinata Sow.-
Fig.7-12.E. scalaris Sow.

Tab.520.Fig.1.2.Astarte striata Sow.-Fig.3.4. A. orbicularis Sow.

Crag

Fig. 1.2. Astarte imbricata Sow-Fig. 3.4 A. nitida Sow-Fig. 5.6 A. bipartita Sow
Fig. 7.8 A. oblonga Sow.

Fig. 1 Ampullaria nobilis Sow.-Fig. 2. 3. 4 A. helicoides Sow.

Fresh-Water.

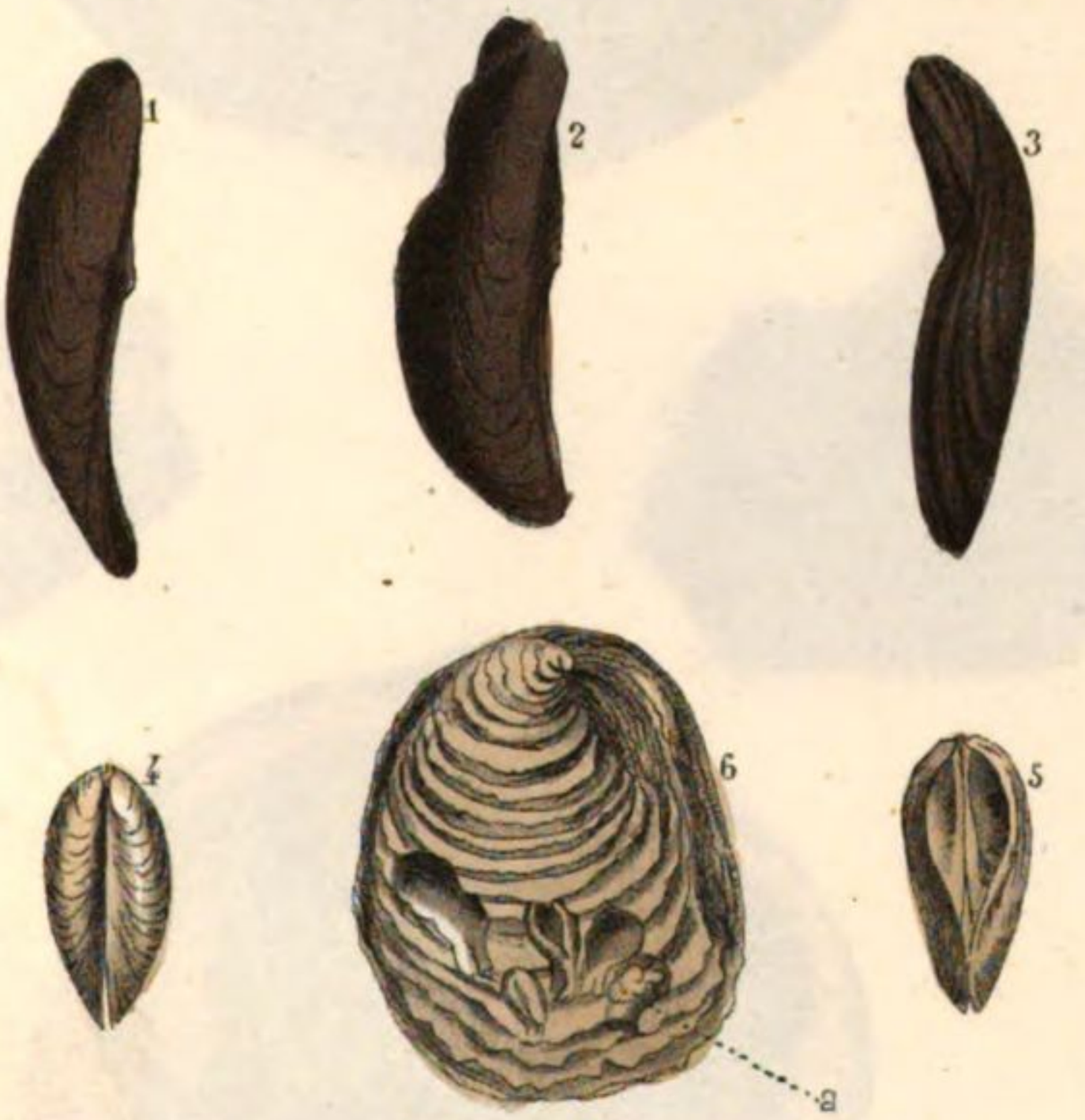
London-Clay.

Tab. 523. Fig. 1. 2. 3. Melanopsis carinata Sow. - Fig. 4. 5. M. brevis Sow.
Tab. 524. Fig. 1 - 3. Solarium canaliculatum Sow. - Fig. 4 - 6. S. plicatum Lam.

525.

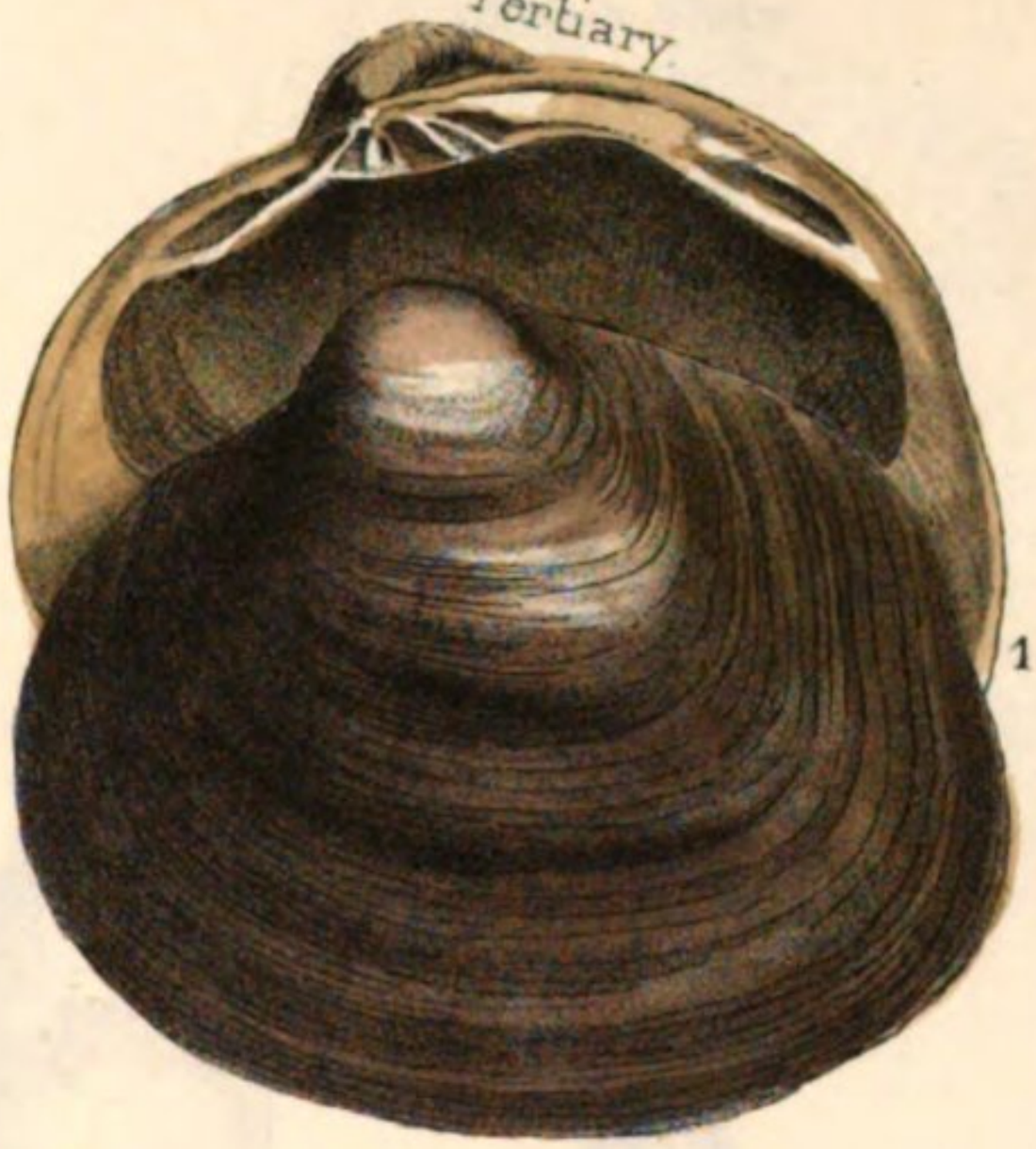
Crag

526.



London-Clay

Tab. 525. Fig. 1. 2 Fusus alveolatus Sow. - Fig. 3. 4. F. cancellatus Sow.
Tab. 1 - 3. Gastrochaena tortuosa Sow. - Fig. 4 - 9. G. contorta Sow.



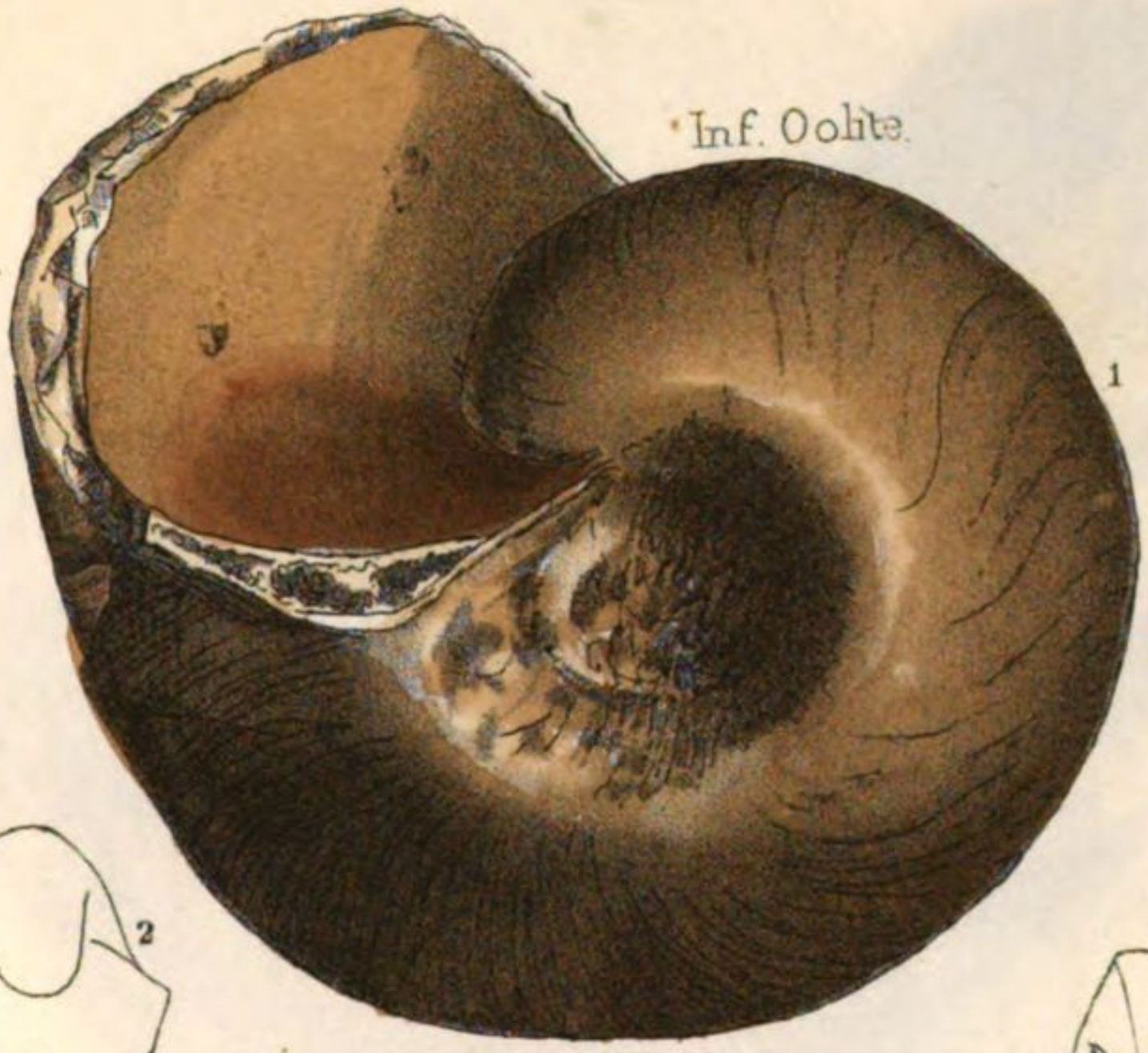
Wealden

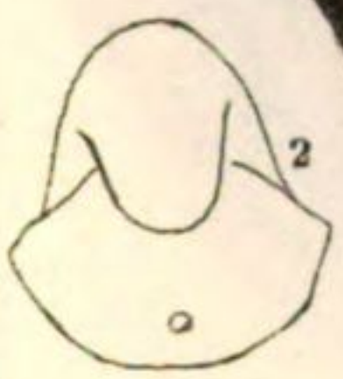
Fig.1.2.Cyclas pulchra Sow.-Fig.3.C.media Sow.-Fig 4. C membranacea Sow.

Fresh-Water

Fig.1.2.Limnea maxima Sow.Fig.3.L.columellaris Sow.-Fig.4.5 L.pyramidalis Sow.

Inf. Oolite.





Calcareous Grit

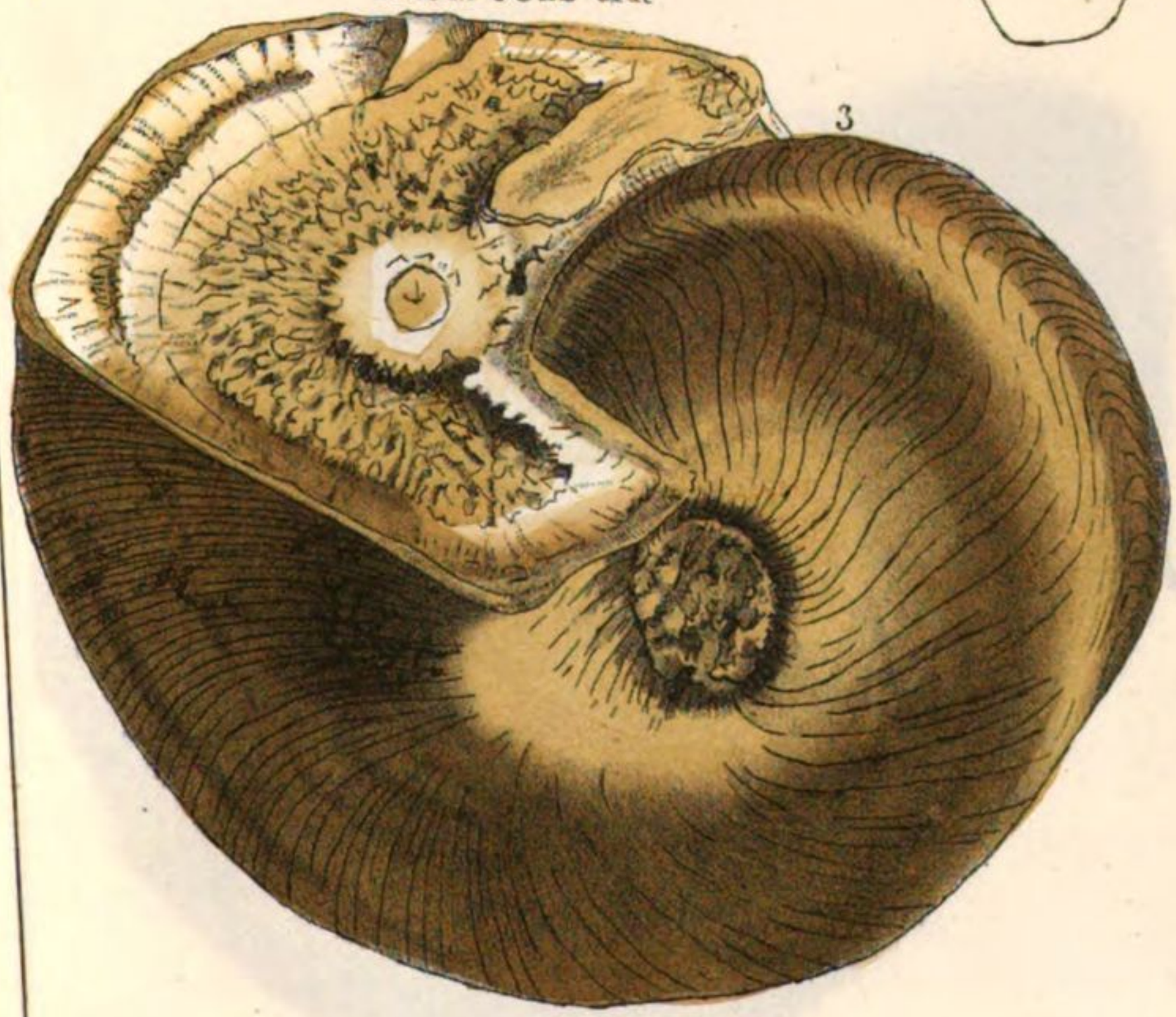
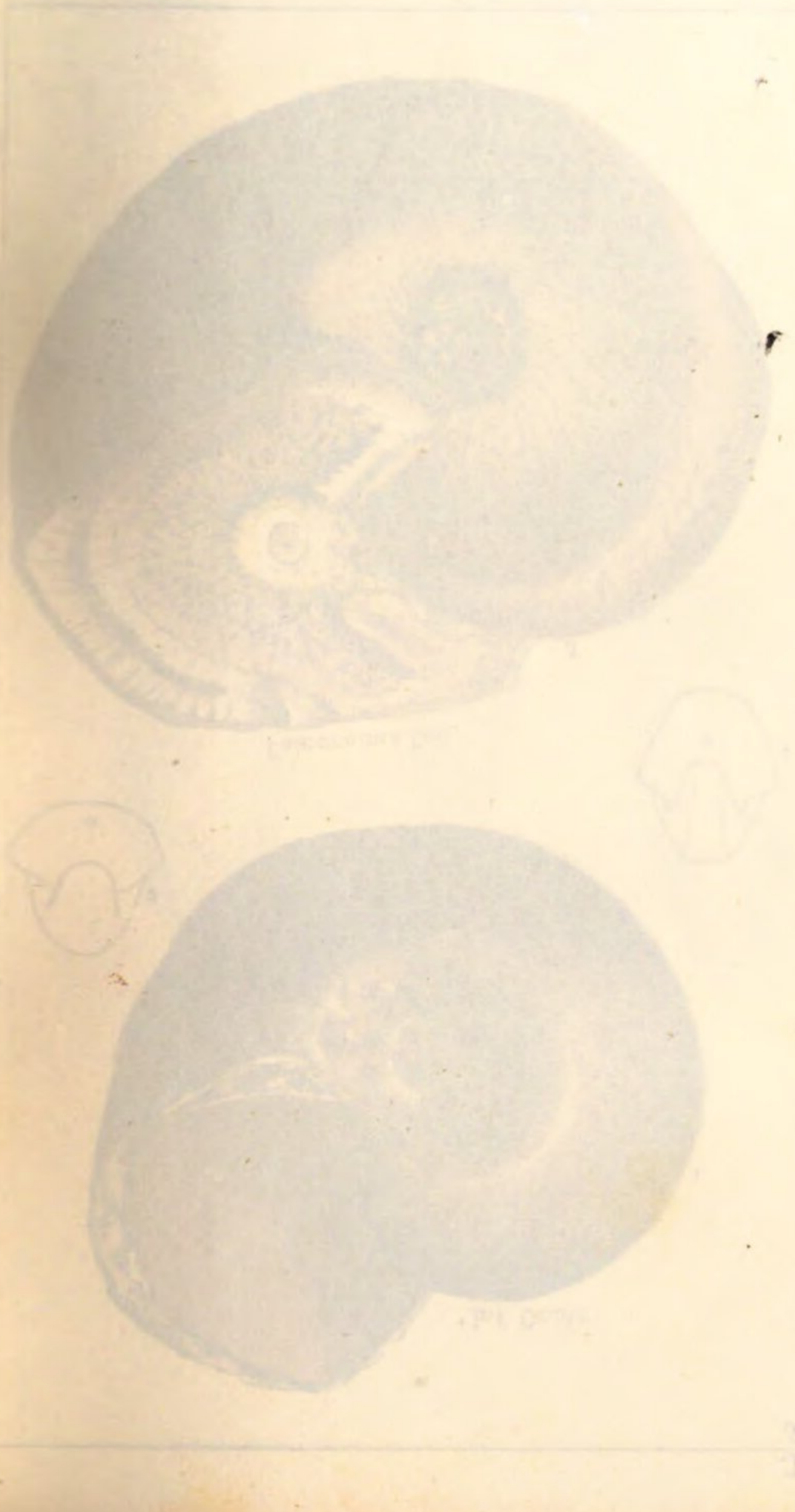
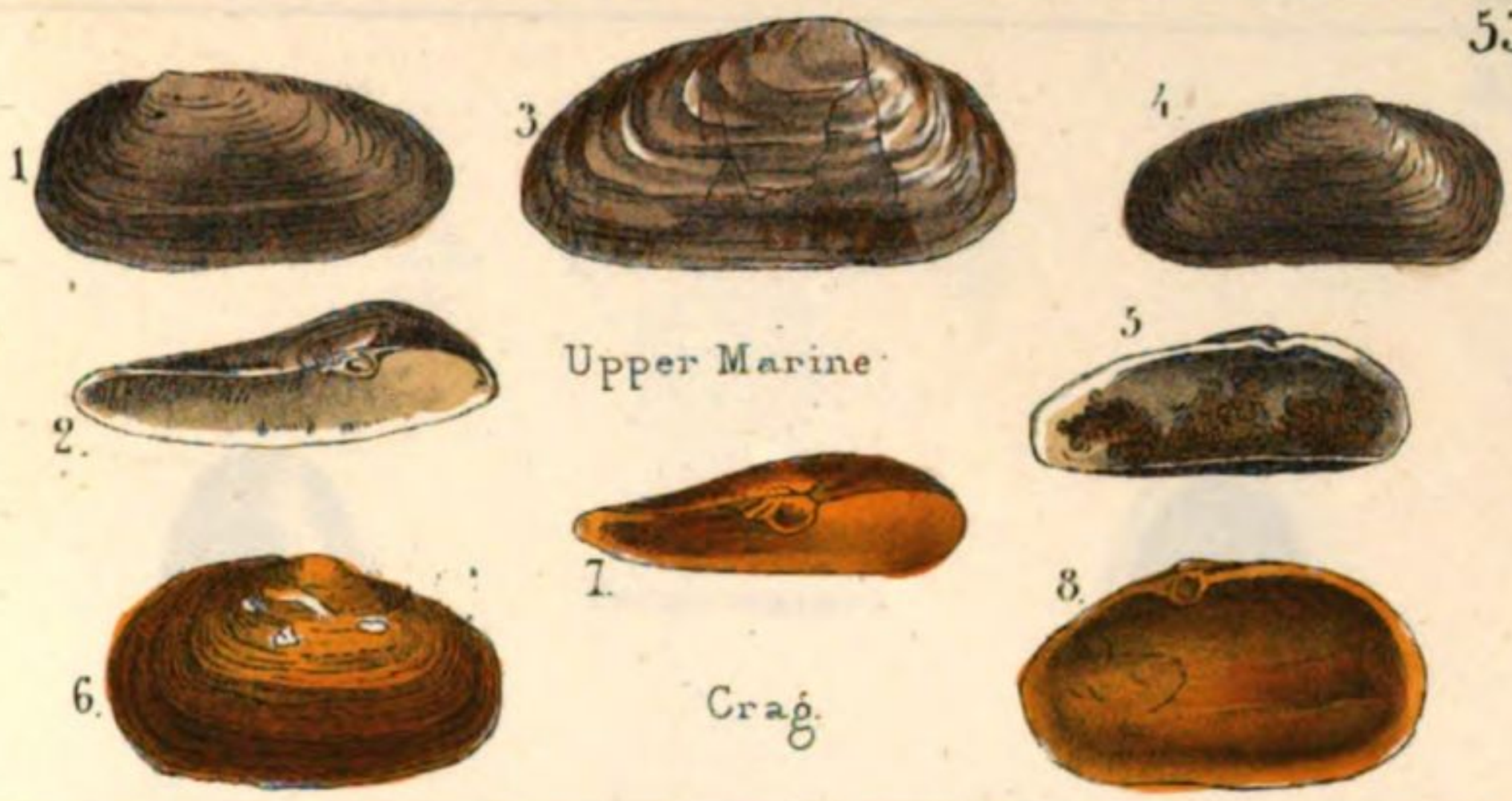


Fig. 1.2. Nautilus excavatus Sow: Fig 3.4 N hexagonus Sow

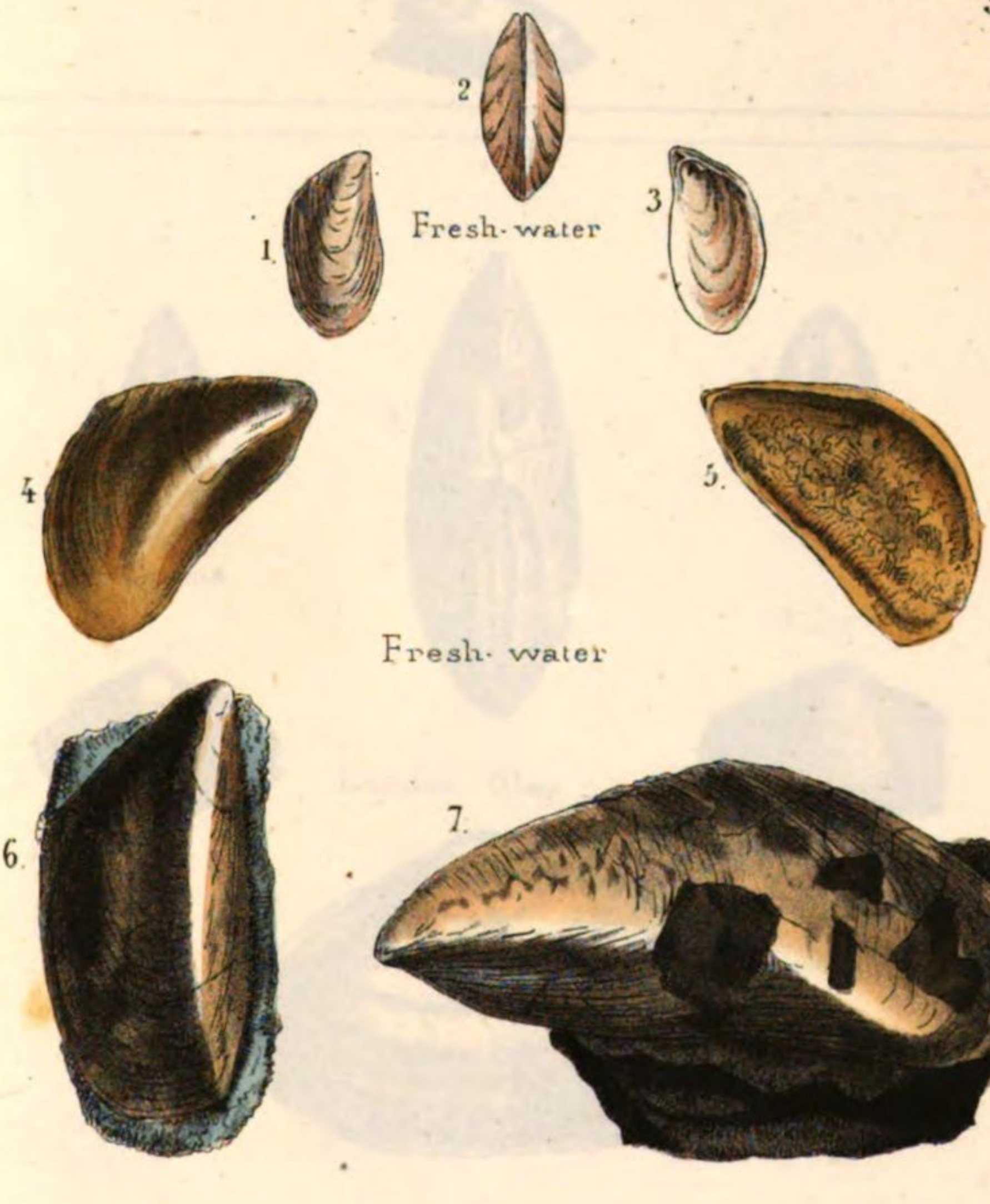


Nautilus polygonalis Sow.

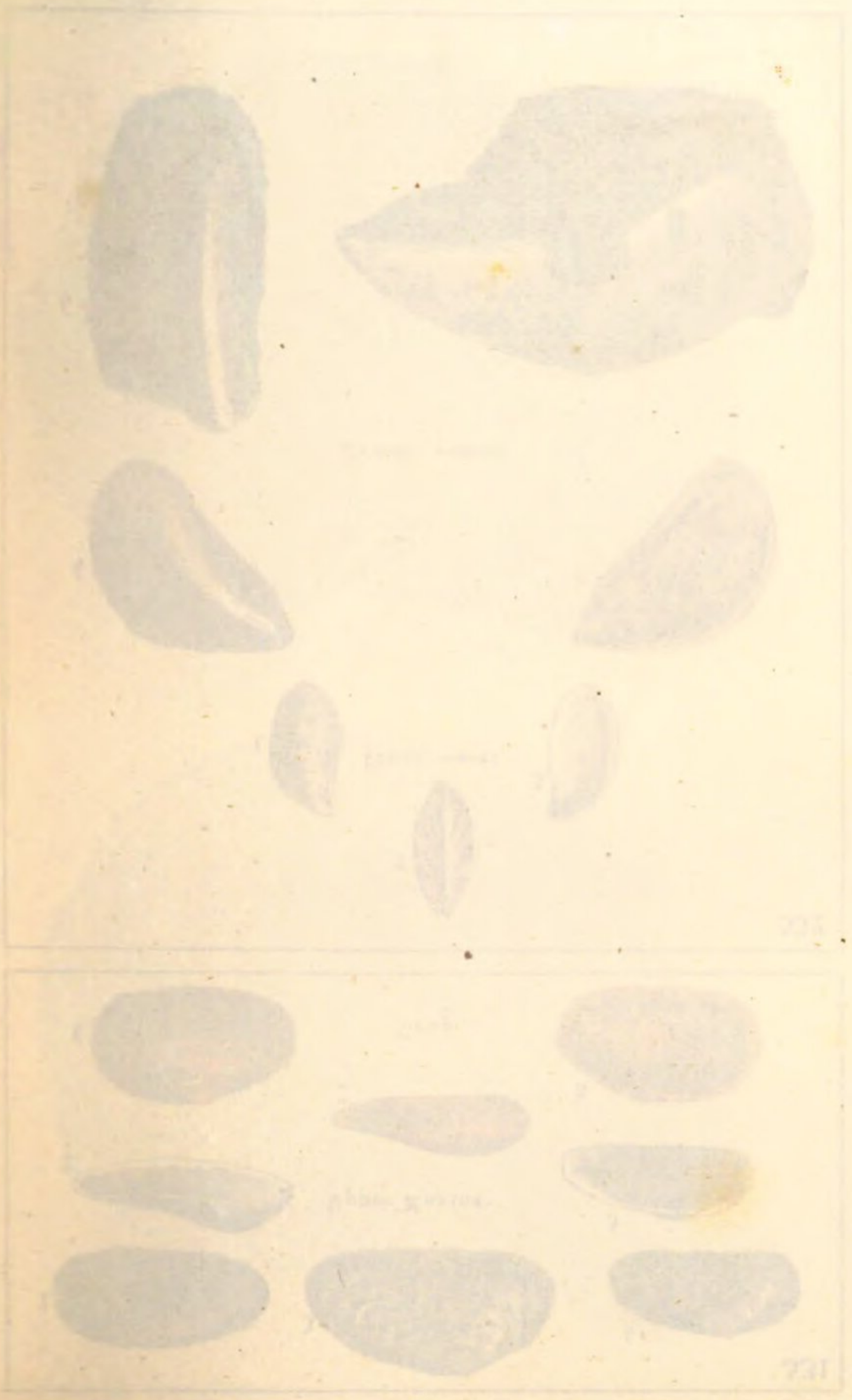
531.



532

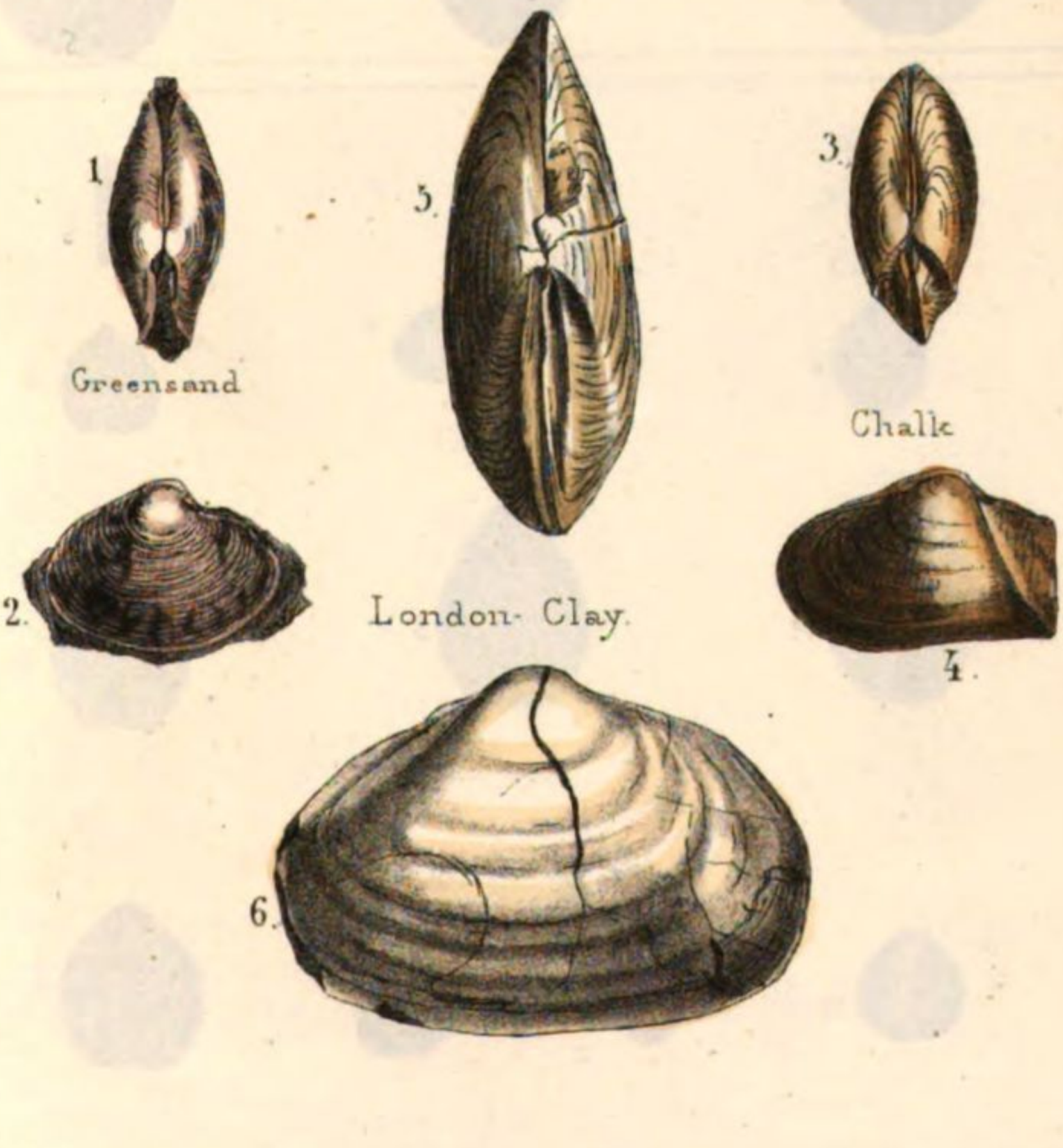


Tab. 531 Fig. 1–5. Mya angustata Sow.-Fig. 6–8. M. Pullus Sow.
Tab. 532. Fig. 1–3. Mytilus Brardii Faujas.-Fig. 4–7. M affinis Sow.



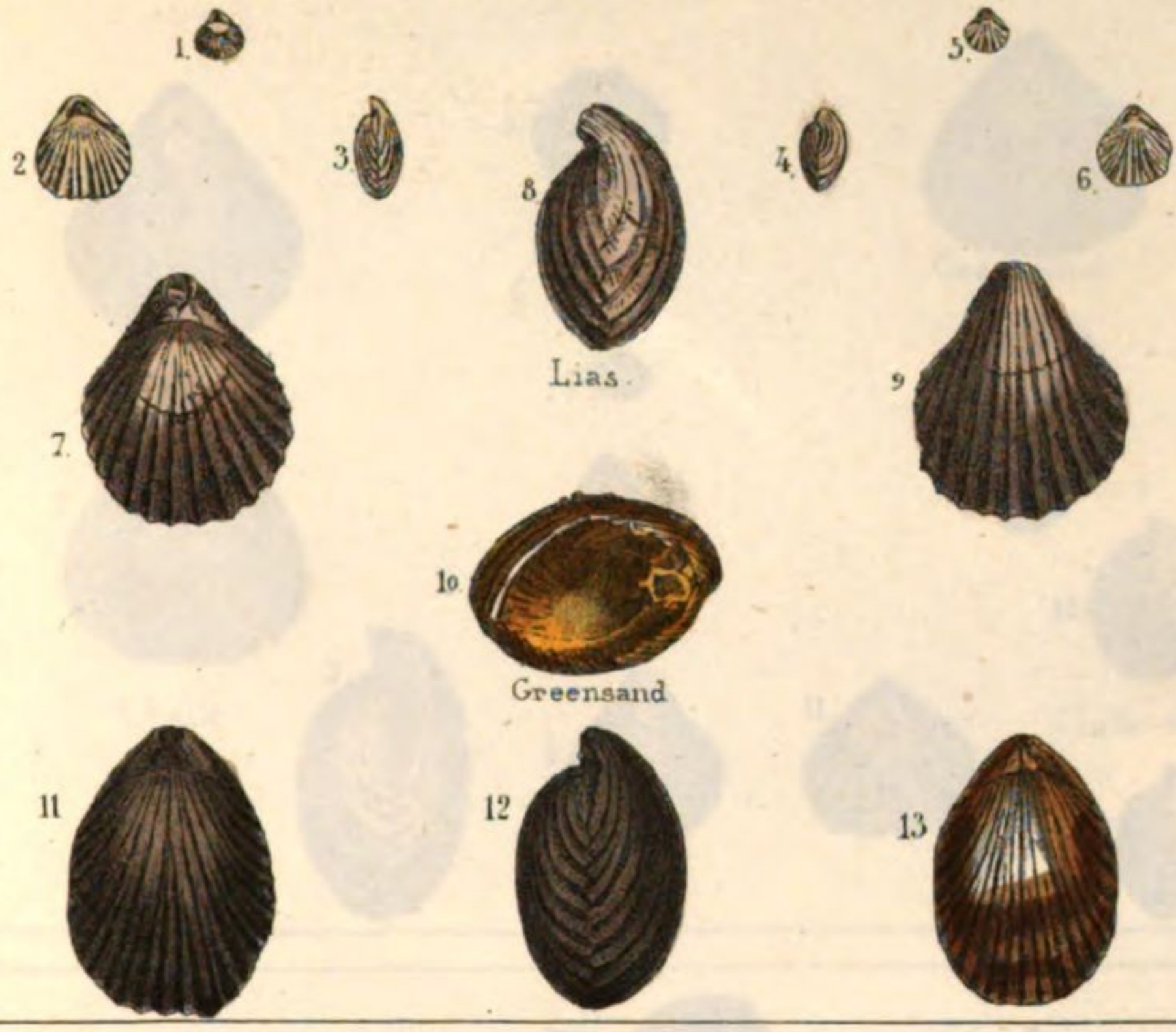
533.

534.

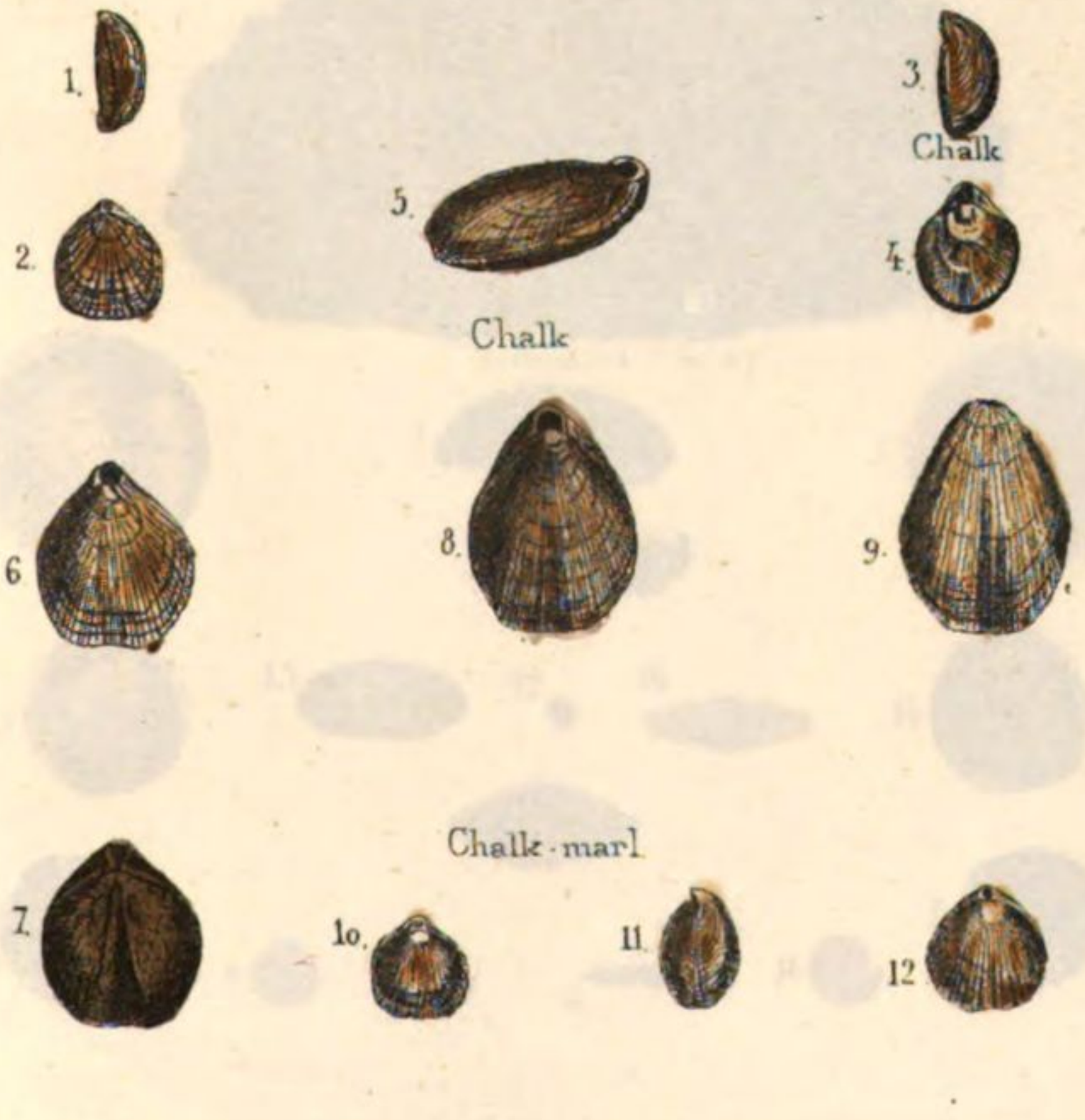


Tab. 533. Ancylus elegans Sow.
Tab. 534 Fig. 1. 2. Lutraria striata Sow. - Fig. 3. 4. L. carinifera Sow.
Fig. 5. 6. L. oblata Sow.

535.



536.



Tab. 535. Fig. 1–3. Terebratula flabellula Sow. - Fig. 4–6. Ter. furcata Sow.
Fig. 7–9. Ter. orbicularis Sow. Fig. 10–13. Ter. oblonga Sow.
T. 536. Fig. 1–2. Terebratula hemisphaerica Sow. - Fig. 3. 4 Ter. rijida Sow.
F. 5–9. Ter. striatula Mant. Fig. 10–12. Ter. Pisum Sow.

347.

537

Greensand

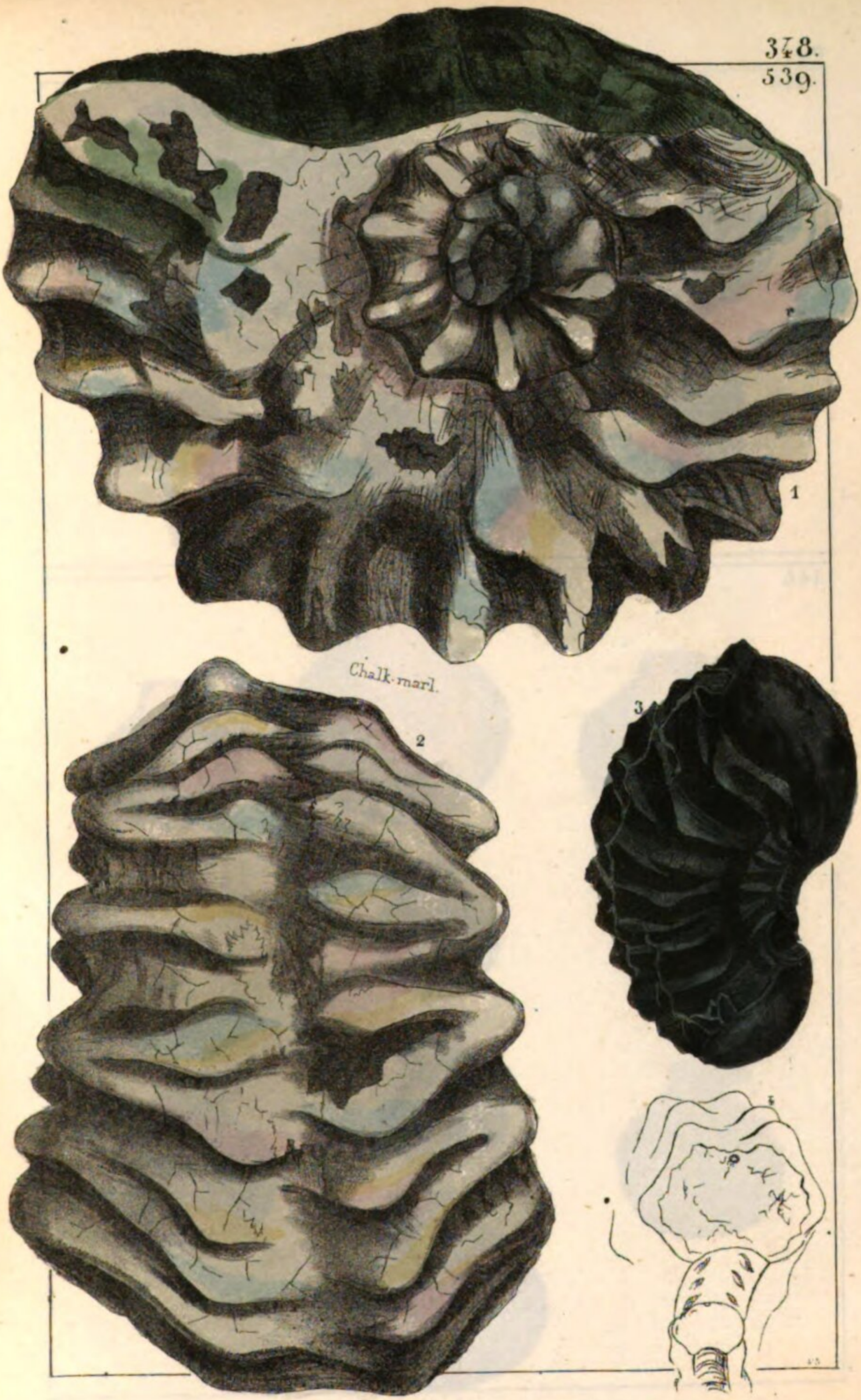
Chalk

Chalk-marl

538.

London - Clay.

Tab. 537 Fig. 1–4. Terebratula rostrata Sow. - Fig. 5–8. Ter. truncata Sow.
Fig. 9. 10. Ter. Gibbsiana Sow. - Fig. 11–13. Ter. Mantelliana Sow.
T. 538 F. 1–5. Nummularia laevigata Lam. - Fig. 6–11 N. elegans Sow.
Fig. 12–17. N. variolaria Sow.



Ammonites Benettianus Sow.

540.

Chalkmarl.

Greensand

541.

Crag.

Tab. 540. Fig. 1. 2. Ammonites denarius Sow. Fig. 3. 4. 5 A. spinosus Sow.
Tab. 541. Pecten obsoletus Sow

542.

Fig. 1. Pecten annulatus Sow. - Fig. 2 P. princeps Sow.

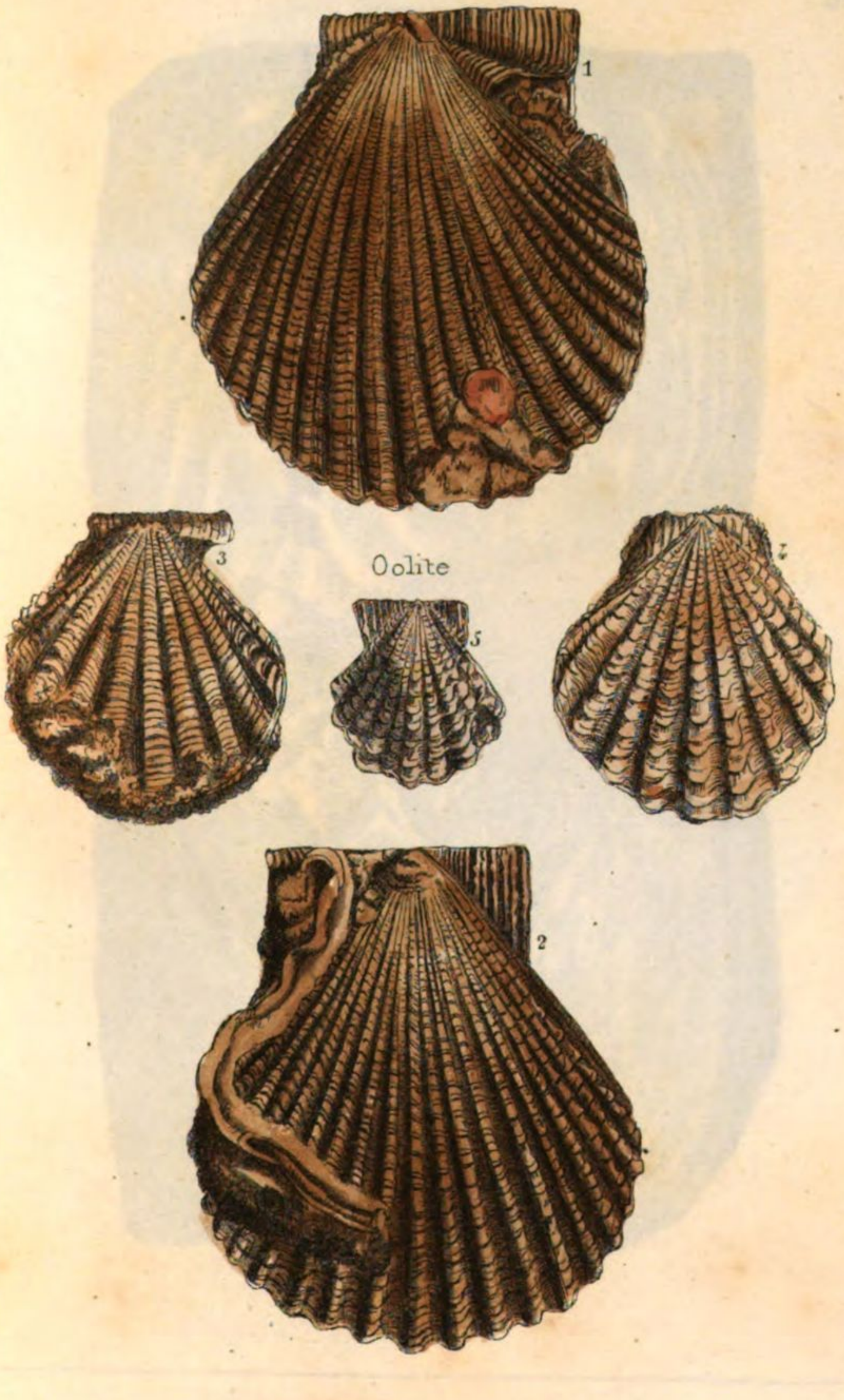


Fig. 1.2 Pecten vimineus Sow.-Fig. 3.4.5 P. vagans. Sow.

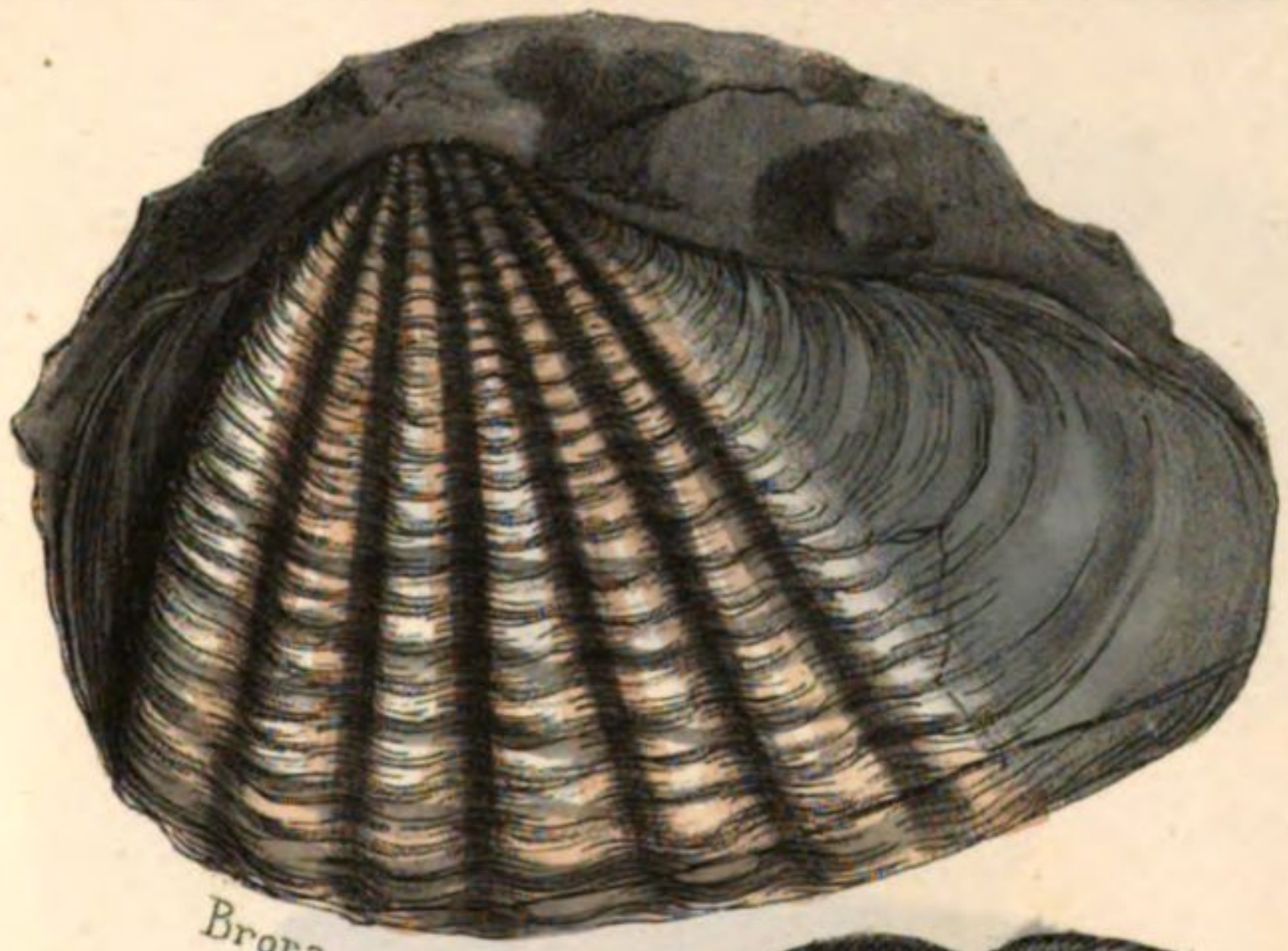
544

Greensand

Trigonia spectabilis Sow.

545.

1

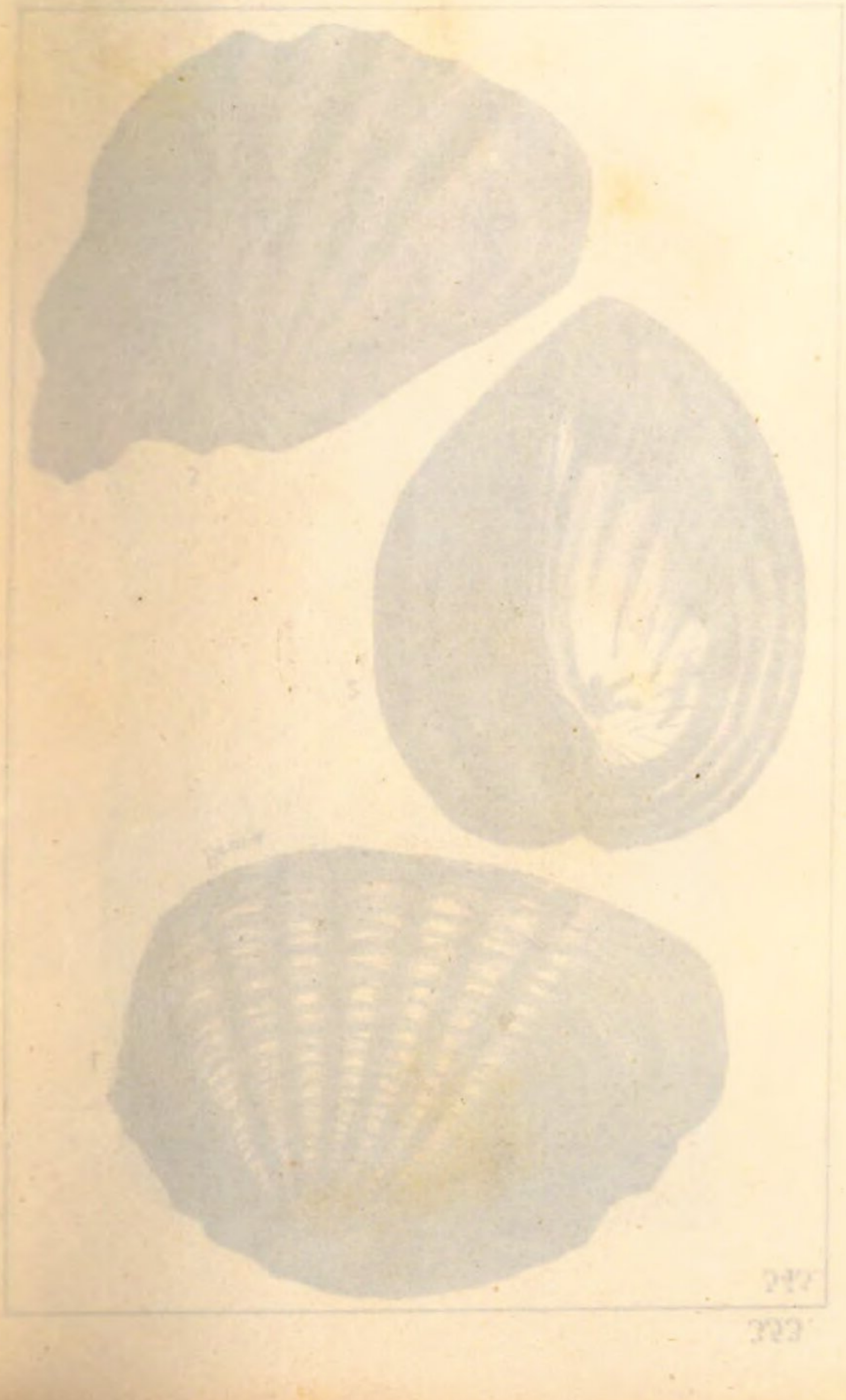


Brora

2.

3.

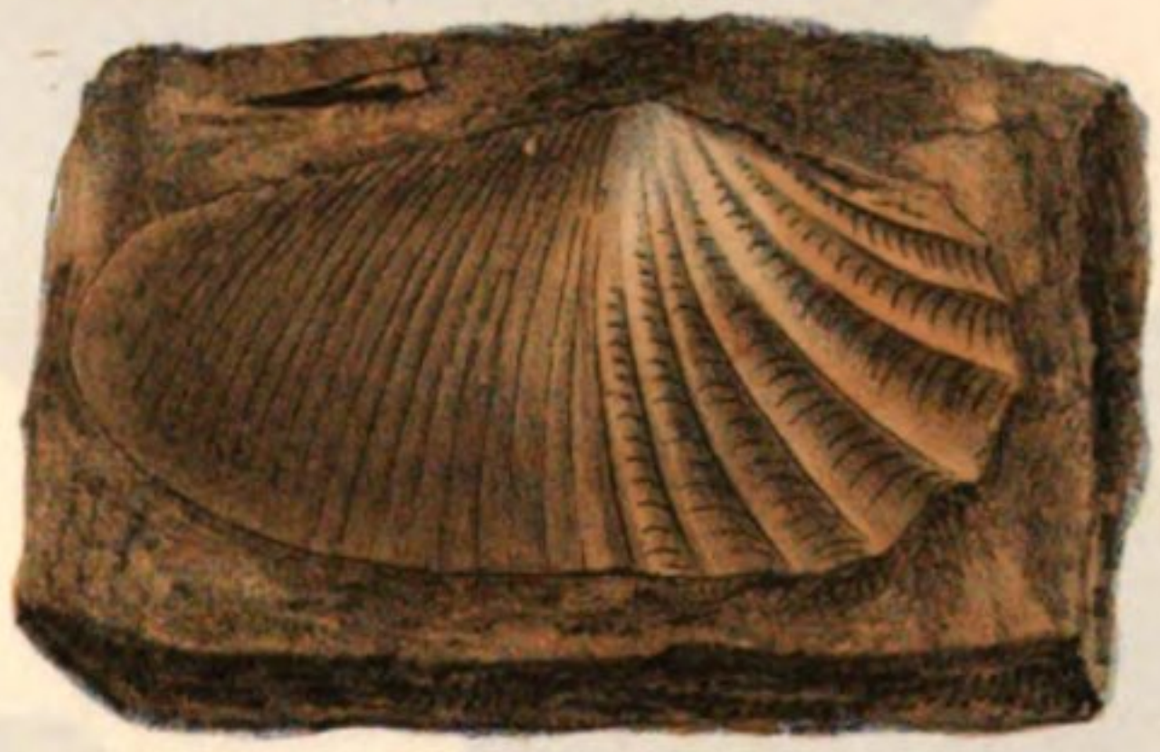
Pholadomya Murchisoni Sow.



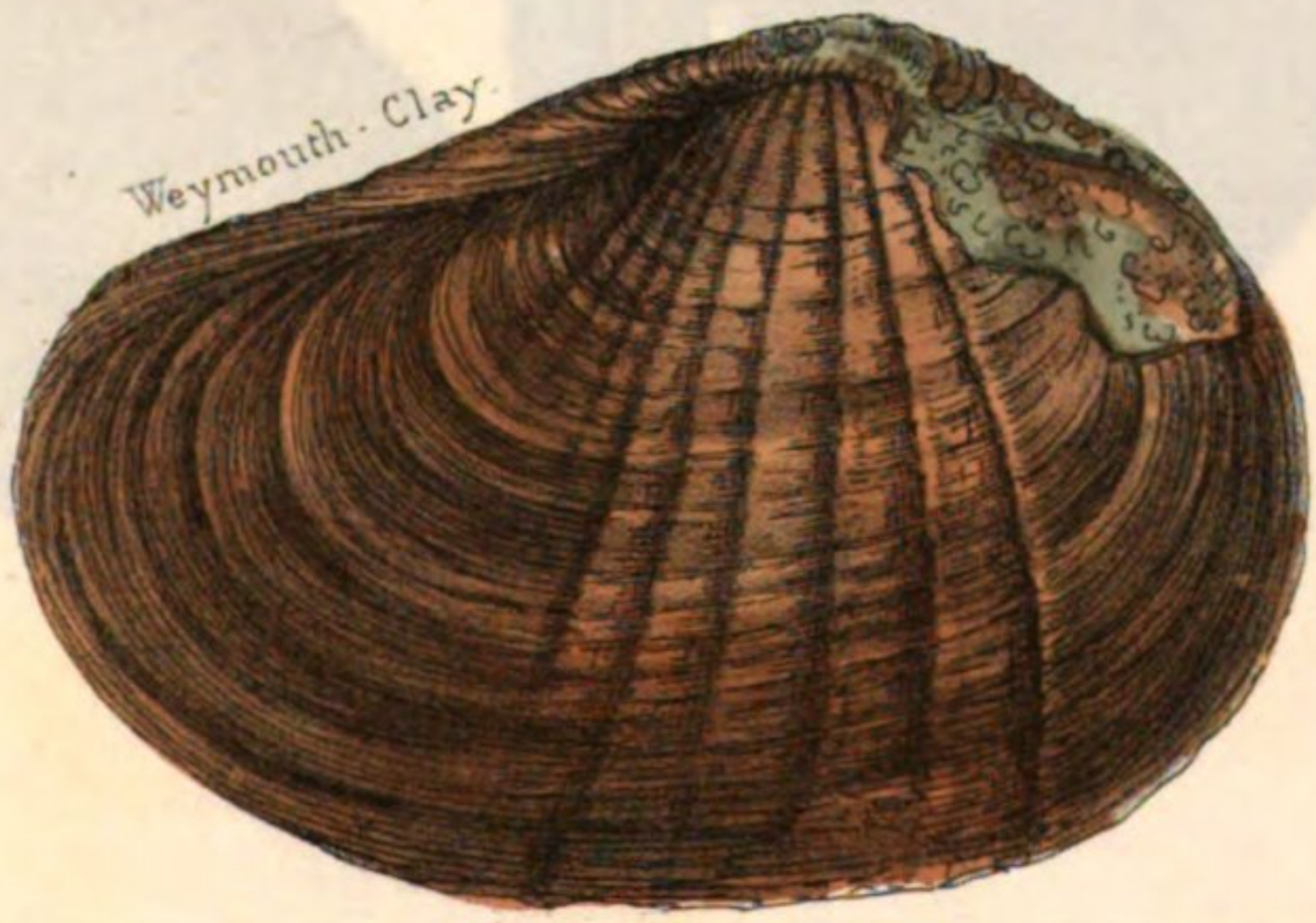
546

1.

Stonesfield

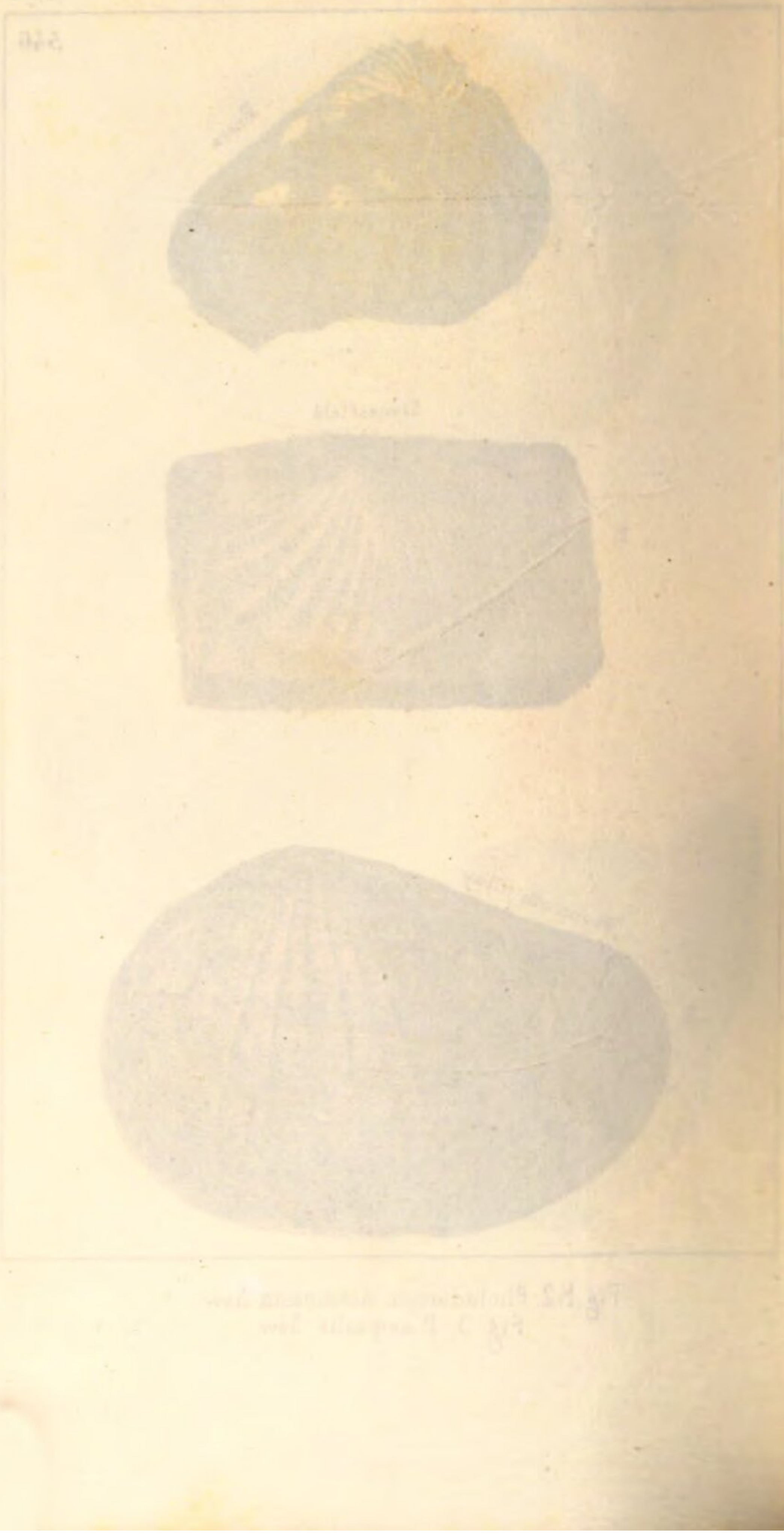


2.



3.

Fig. 1. 2. Pholadomya acuticosta Sow.
Fig. 3. P. aequalis Sow.



547.

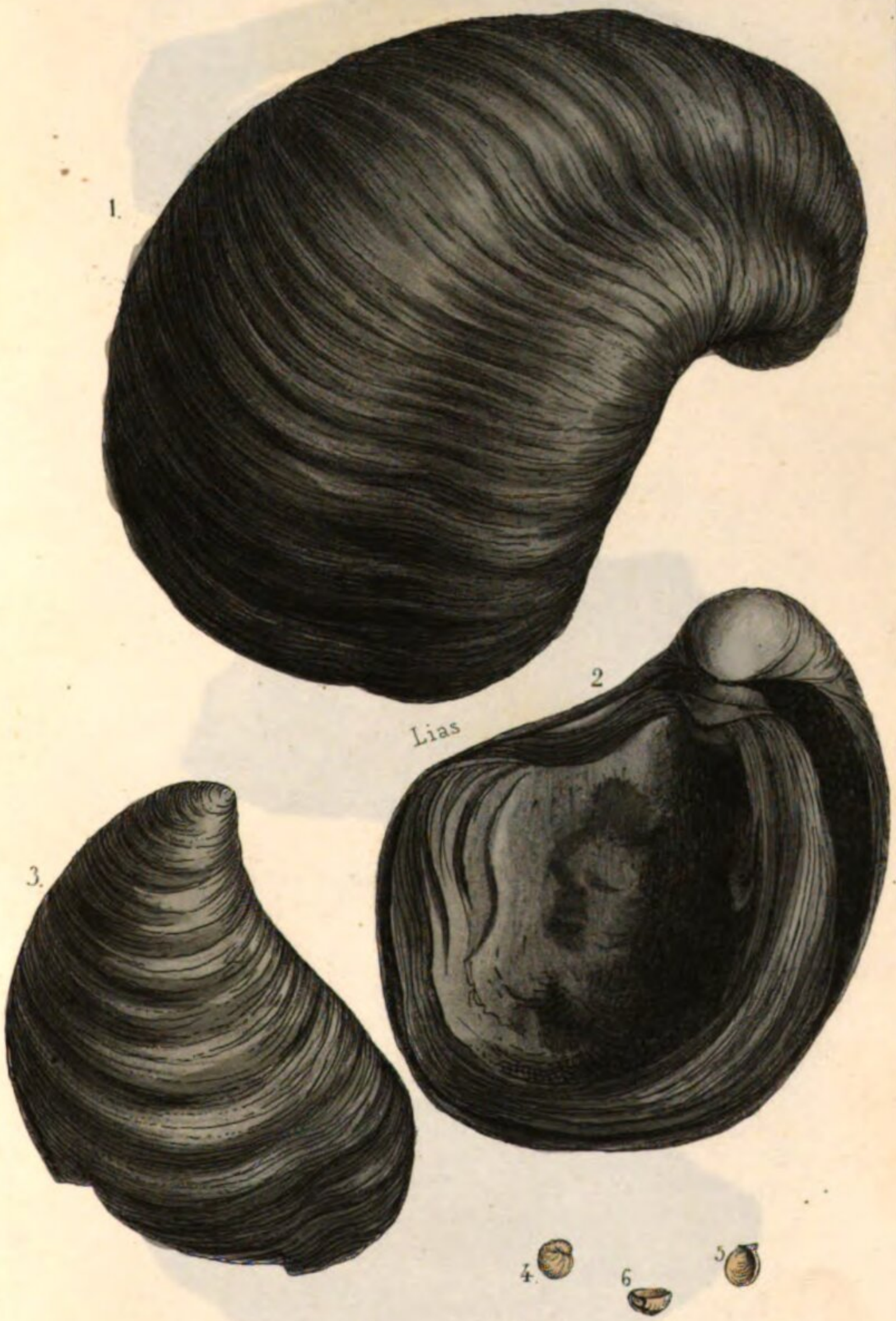
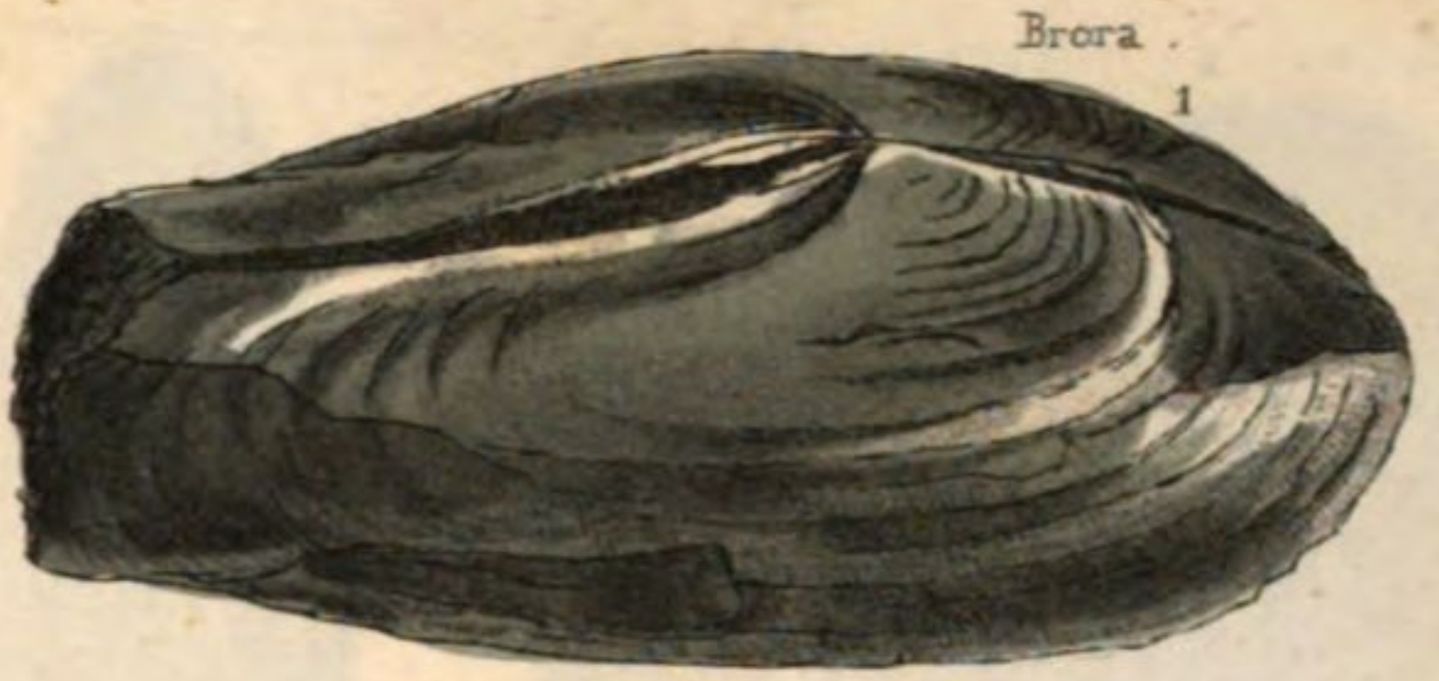


Fig. 1. 2. 3. Ostrea Maccullochii Sow. Fig. 4. 5. 6. O. minuta Sow.

Brora

1



2

Mountain-Limestone

3

Fig. 1. 2. Sanguinolaria undulata Sow - Fig. 3. S. gibbosa Sow.

Chalk-marl.

1

2

3

Brora

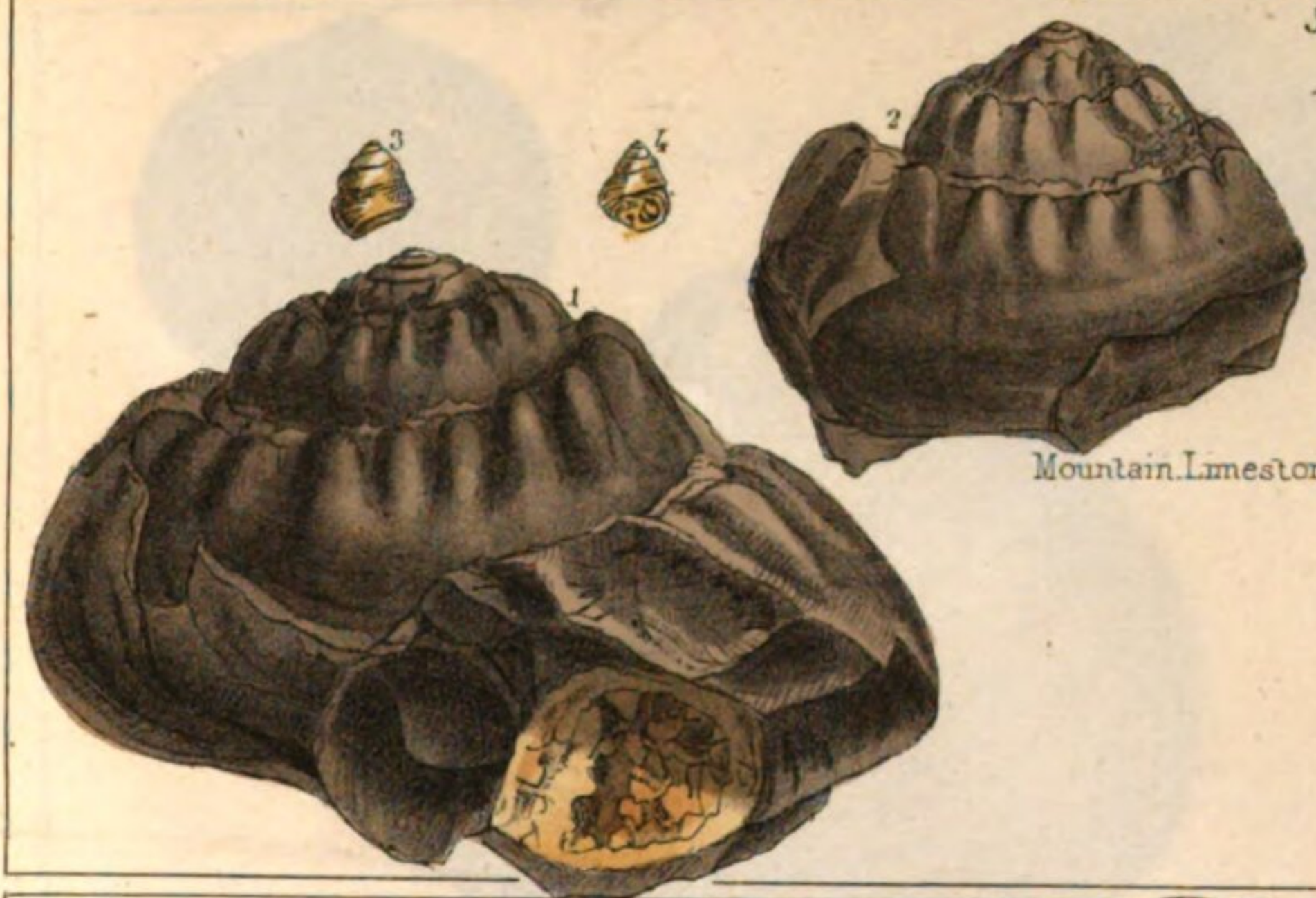
4

Fig. 1. 2. Ammonites Selliguinus Brongn. - Fig. 3. 4. A. Gowerianus Sow.

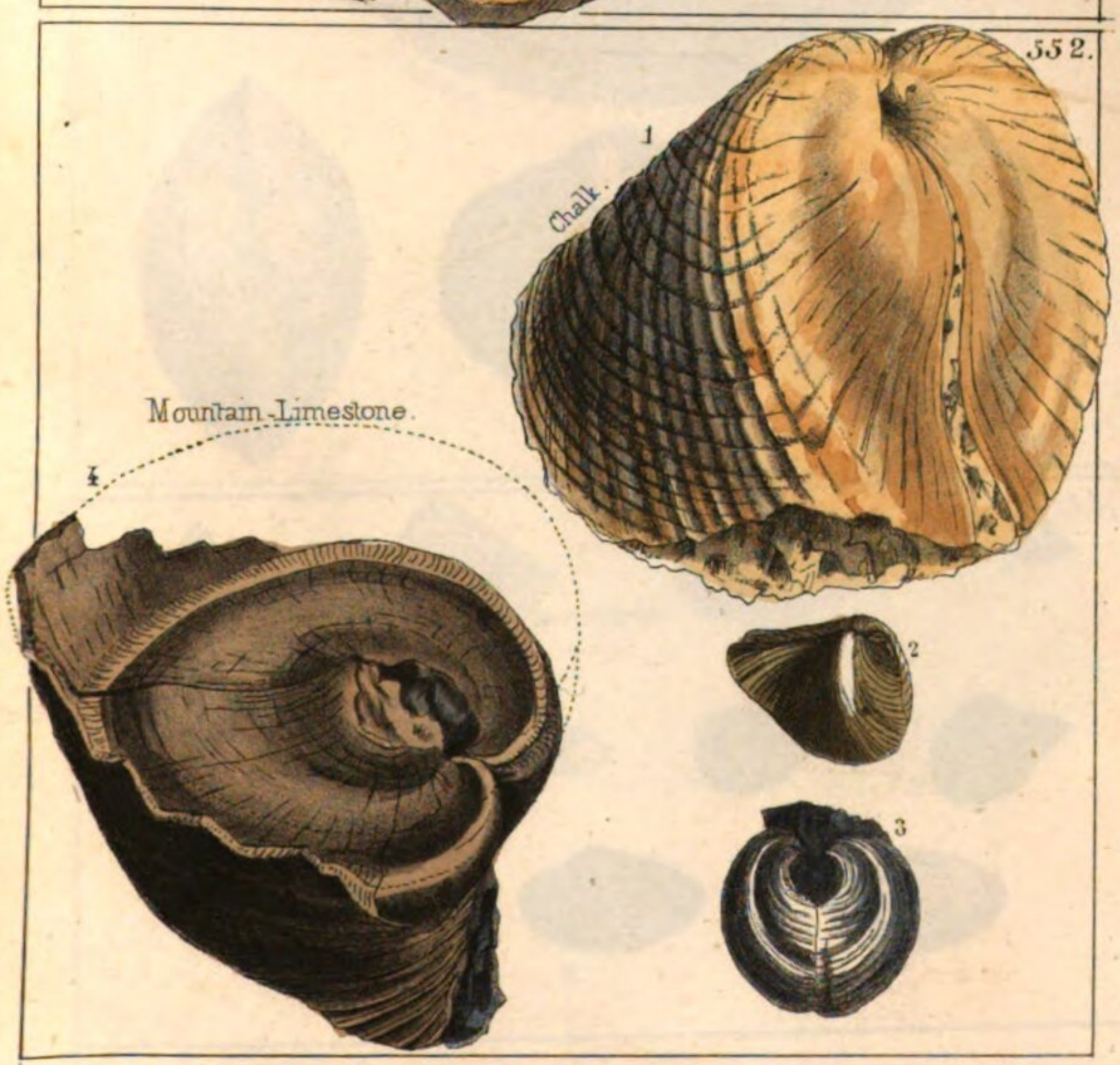
358.
550.

Ammonites Murchisonae Sow.

551.



552.



Tab. 551. Fig. 1. 2. Turbo Tiara Sow. Fig. 3. 4. T. obtusus Sow.
Tab. 552 Fig. 1. Cardium decussatum Mant. Fig. 2. 3 C. alaeforme Sow.
Fig. 4. C. hibernicum Sow.

553.

Brora

1

2.

3.

Portland

4.

5.

6.

554

Opper-marine

London-Clay

Chalk

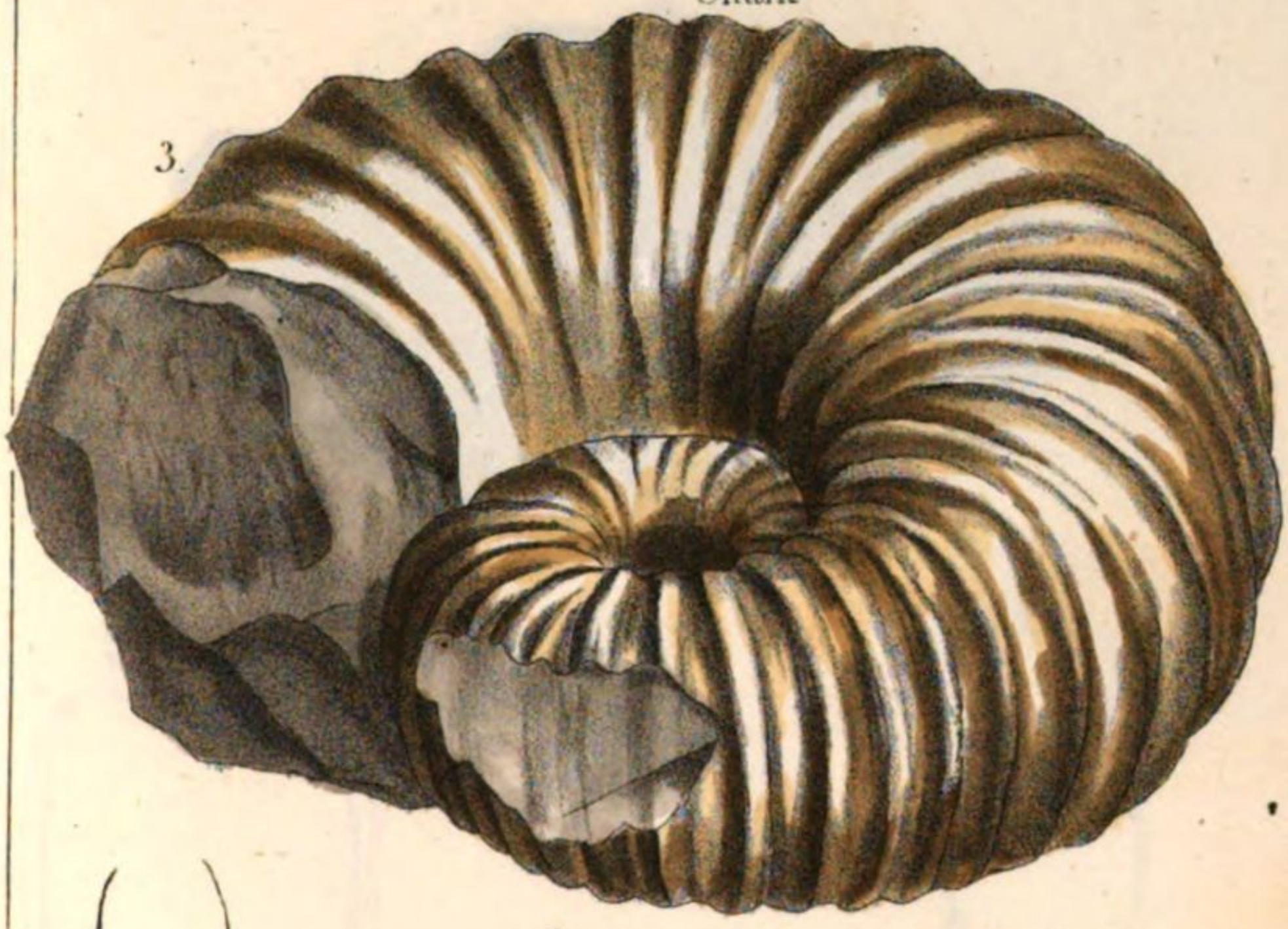
London-Clay

Tab. 553. Fig 1. 2. Cardium striatulum Sow. Fig. 3. 4. C. dissimile Sow. Fig. 5. 6. C. truncatum Sow.
Tab. 554. Fig. 1. 4. Nucula deltoïdea Lam. Fig. 5. 7. N. inflata Sow. Fig. 8. 9. N. undulata Sow.
Fig. 10. 12. N. amygdaloïdes Sow.

555.

Chalk

3.



2

1.

Lias

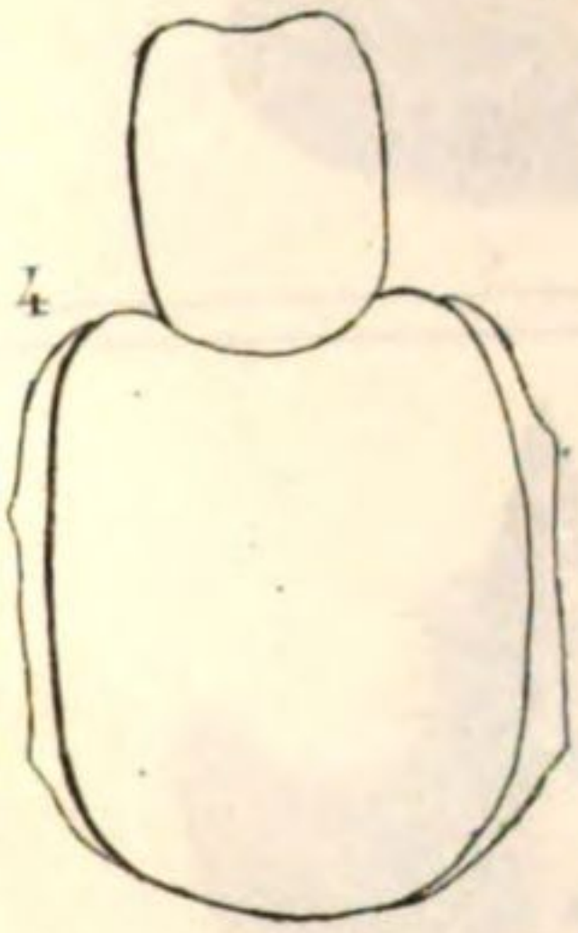
Fig. 1. 2. Ammonites Iamesoni Sow. - Fig. 3. A. navicularis Mant

556

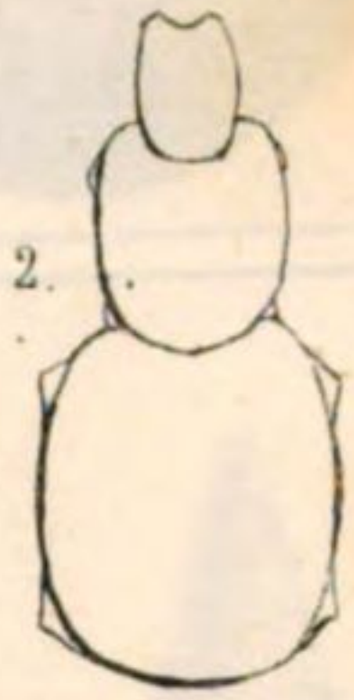
Lias

1.

4



2.



Lias

3

Fig.1.2. Ammonites lataecosta Sow. Fig.3. 4. A. brevispina Sow.

557

London-Clay

1.

2.

3.

Crag

4.

Inf. Oolite

5.

6.

558

1.

2

Crag

3.

Oxford Clay

4.

5.

Chalk

6.

Tab. 557. Fig. 1. 2. Lucinamitis Desh. Fig. 3. 4. L. antiquata Sow. Fig. 5. 6. L. crassa Sow.
T. 558. F. 1. 2. Rostellaria Pes-Pelicani Lam. - Fig. 3. 4. R. composita Sow.
Fig. 5. 6. R. Parkinsoni Mant.

Lias.

3 Chalkmarl.

Oolite.

Fig 1 Plagiostoma concentricum Sow. Fig 2 3 P. elongatum Sow. - Fig. 4 5 6 P. duplicatum Sow.

560.

1

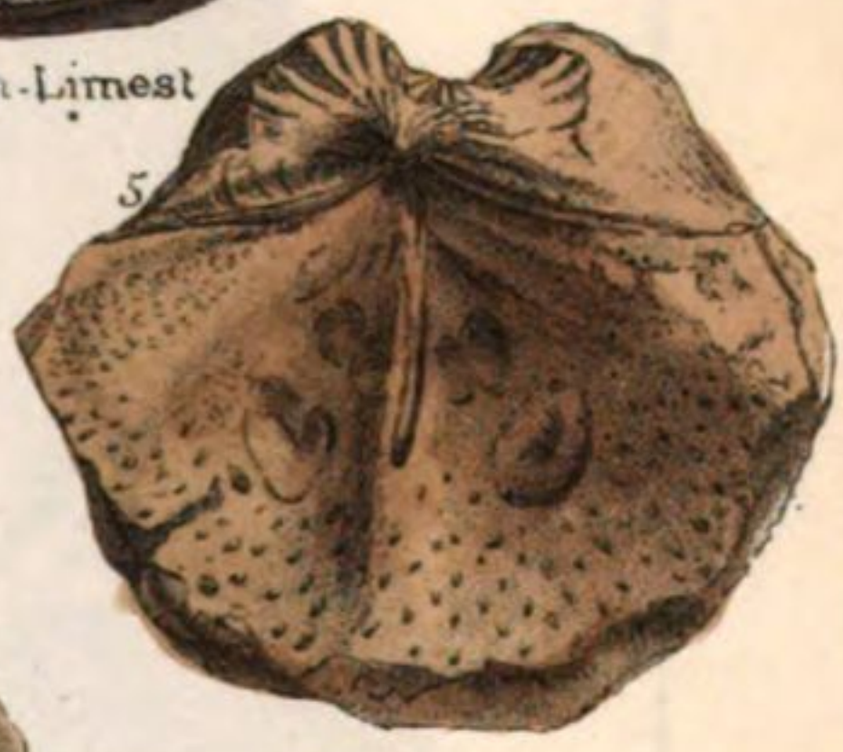
2

Coal.

3

4

Magnesian-Limest



5

6

7

Fig.1.2 Productus costatus Sow. Fig.3-7. P. calvus Sow.

366.
561.

562.

Mountain-Limestone.

Mountain-Limestone.

Fig.1. Spirifer undulatus Sow: Fig.2.3.4. S. octoplicatus Sow:
Fig.5.6. S. triangulatus Sow.

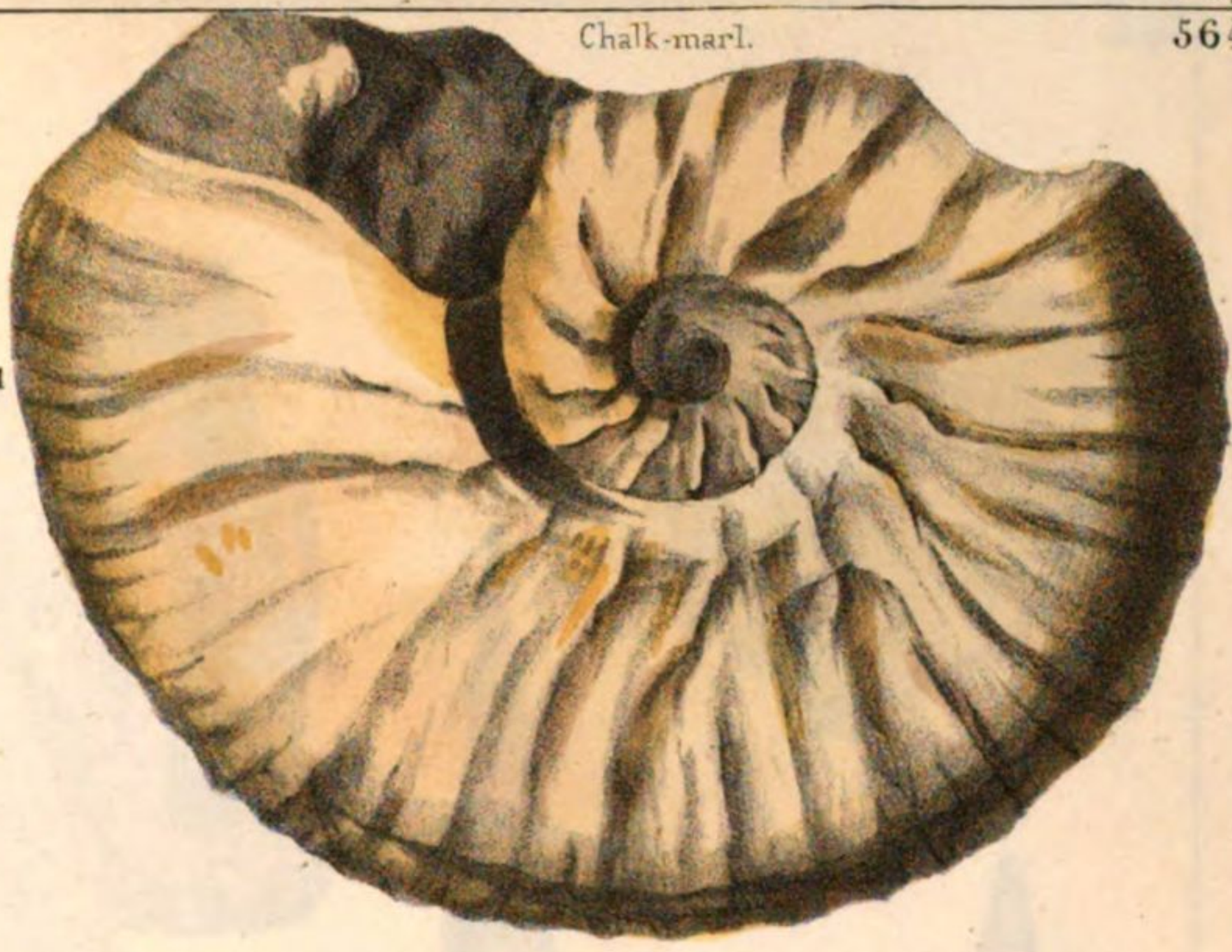
563.

Ammonites Sutherlandiae Murch.

564.

Chalk-marl.

1

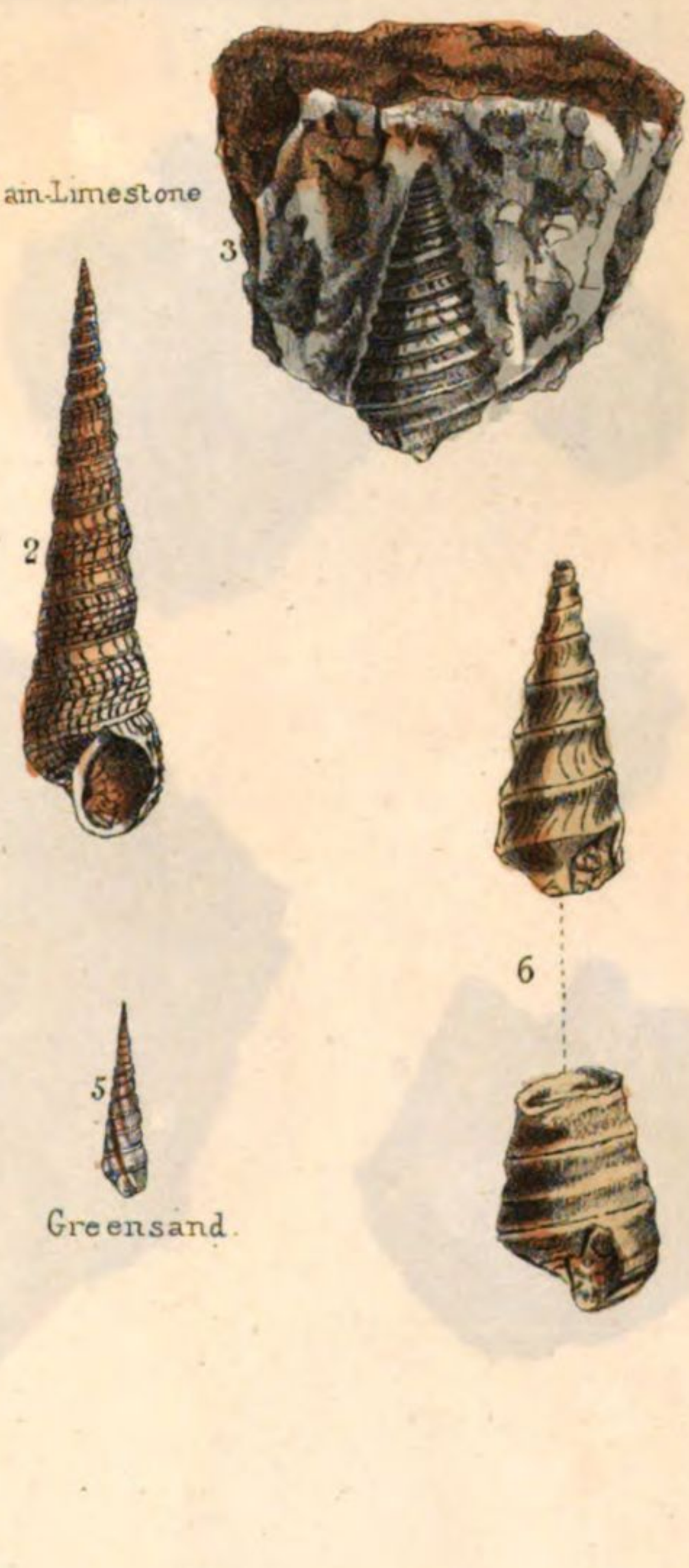


Greensand.

2

Fig.1.Ammonites cinctus Sow.-Fig.2 Am. catillus Sow.

1



3

Mountain-Limestone

2

6

5

Greensand.

Crag.

Fig. 1.2 Turitella granulata Sow: Fig. 3 T. abbreviata Sow: Fig. 4. T. terebra Sow:
Fig. 5. T. costata Sow: Fig. 6. excavata Sow.

Mountain-limestone.

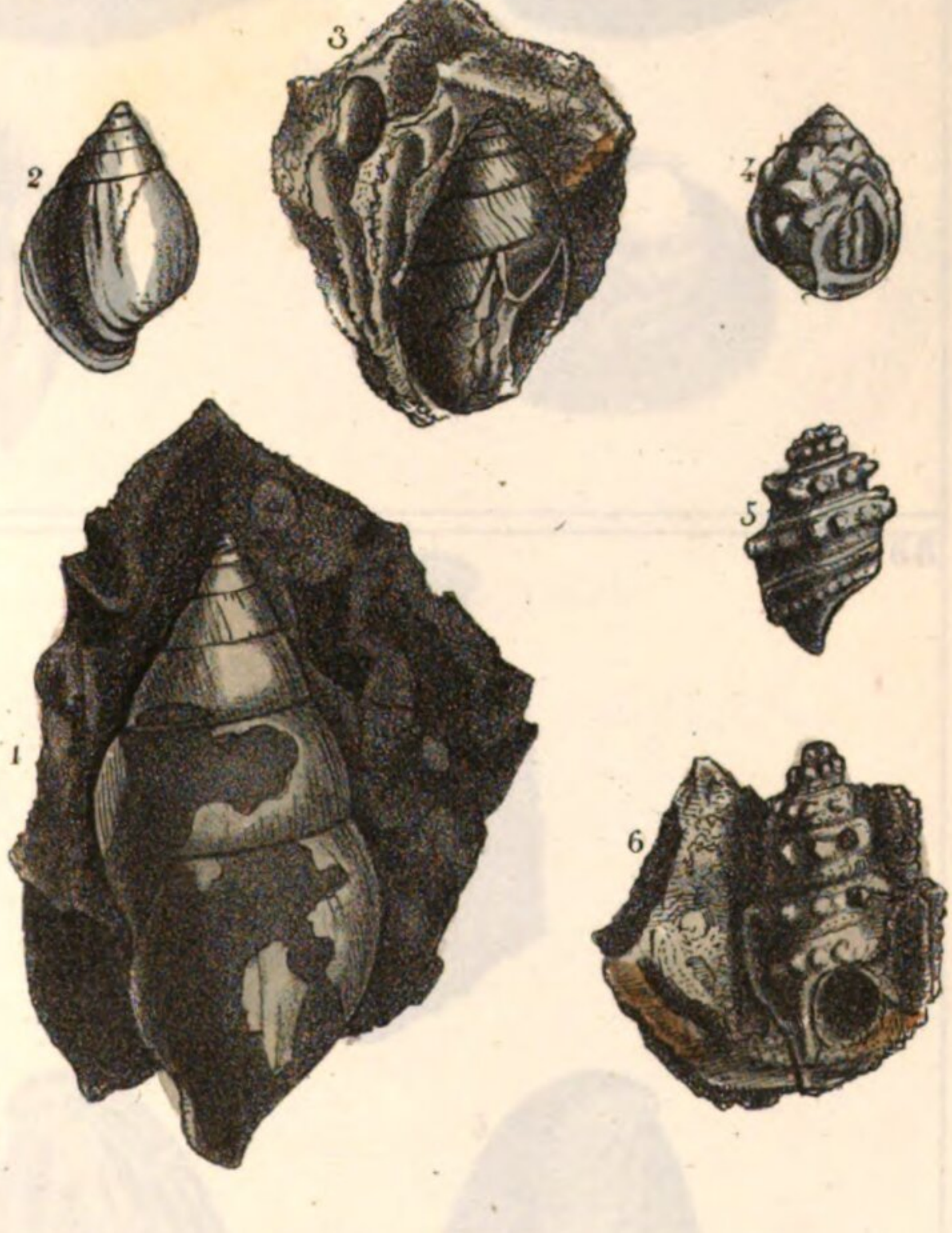
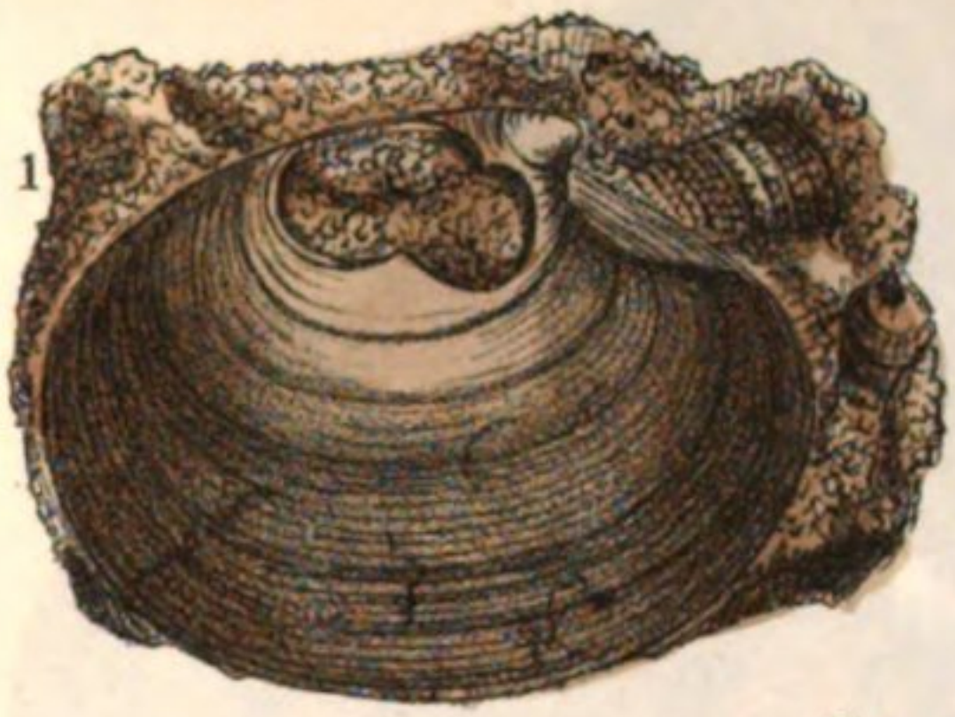


Fig. 1. Buccinum acutum Sow.-Fig. 2.3. B. imbricatum. Sow.-
Fig. 4.5 B. breve Sow.-Fig. 6 B. spinosum Sow.

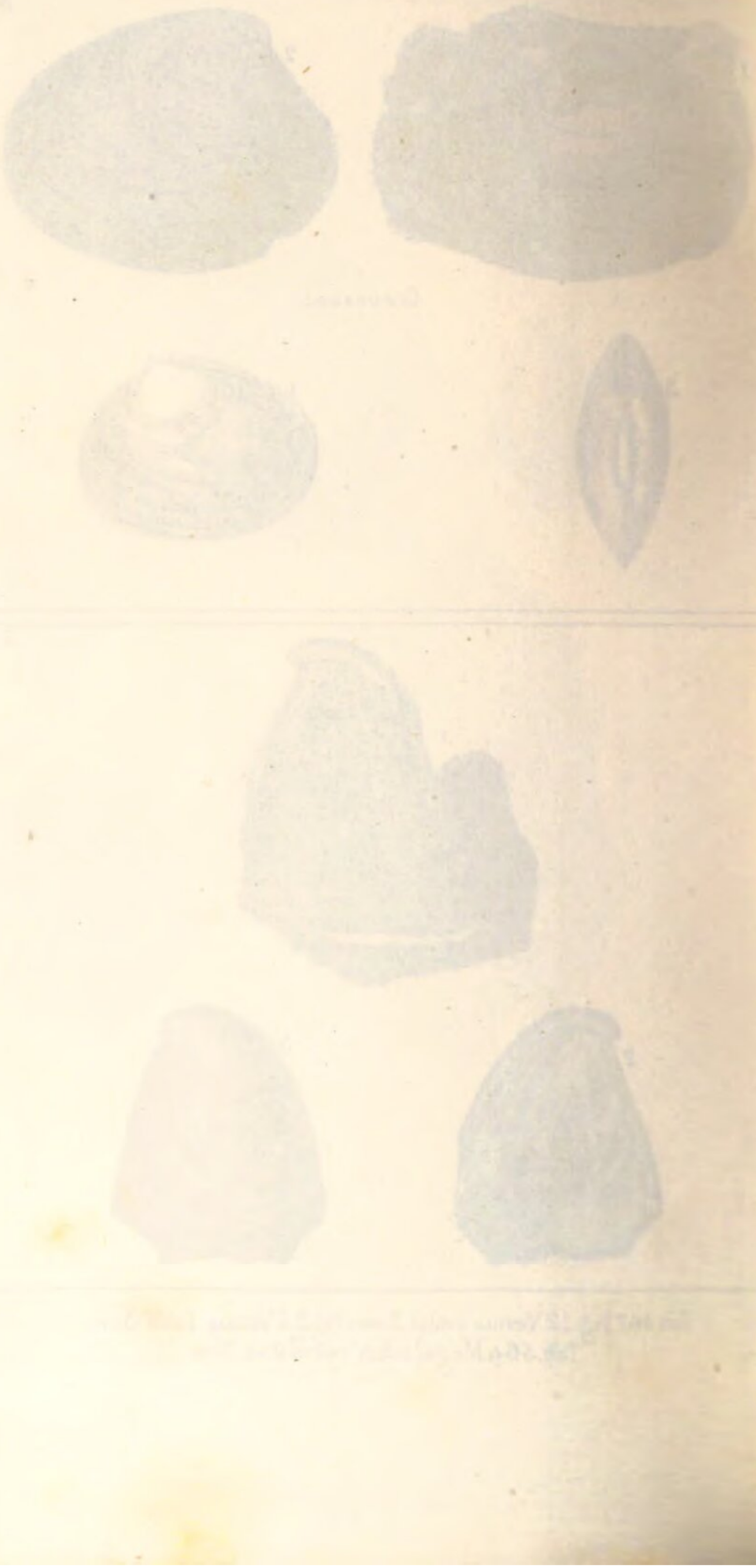
567.



Greensand.

568.

Tab.567.Fig.1.2.Venus ovalis Sow.-Fig.3.4.Venus faba Sow.
Tab.569.Megalodon cucullatus Sow.



1

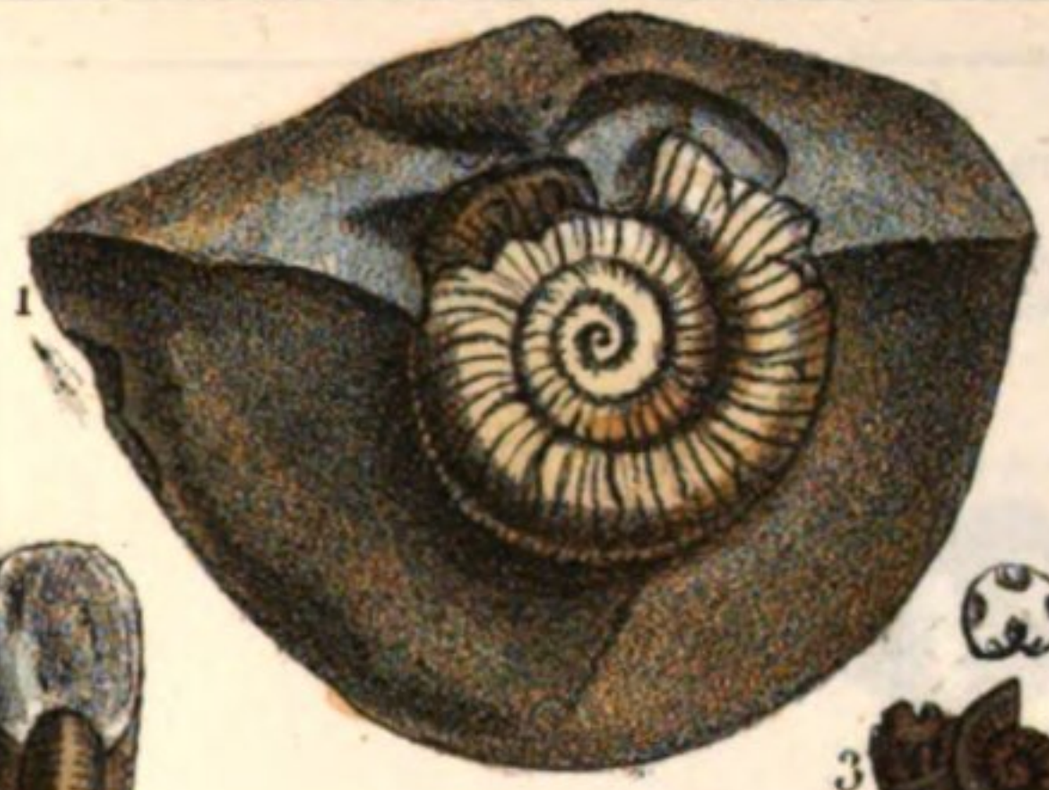
Chalk.

Chalk.

2

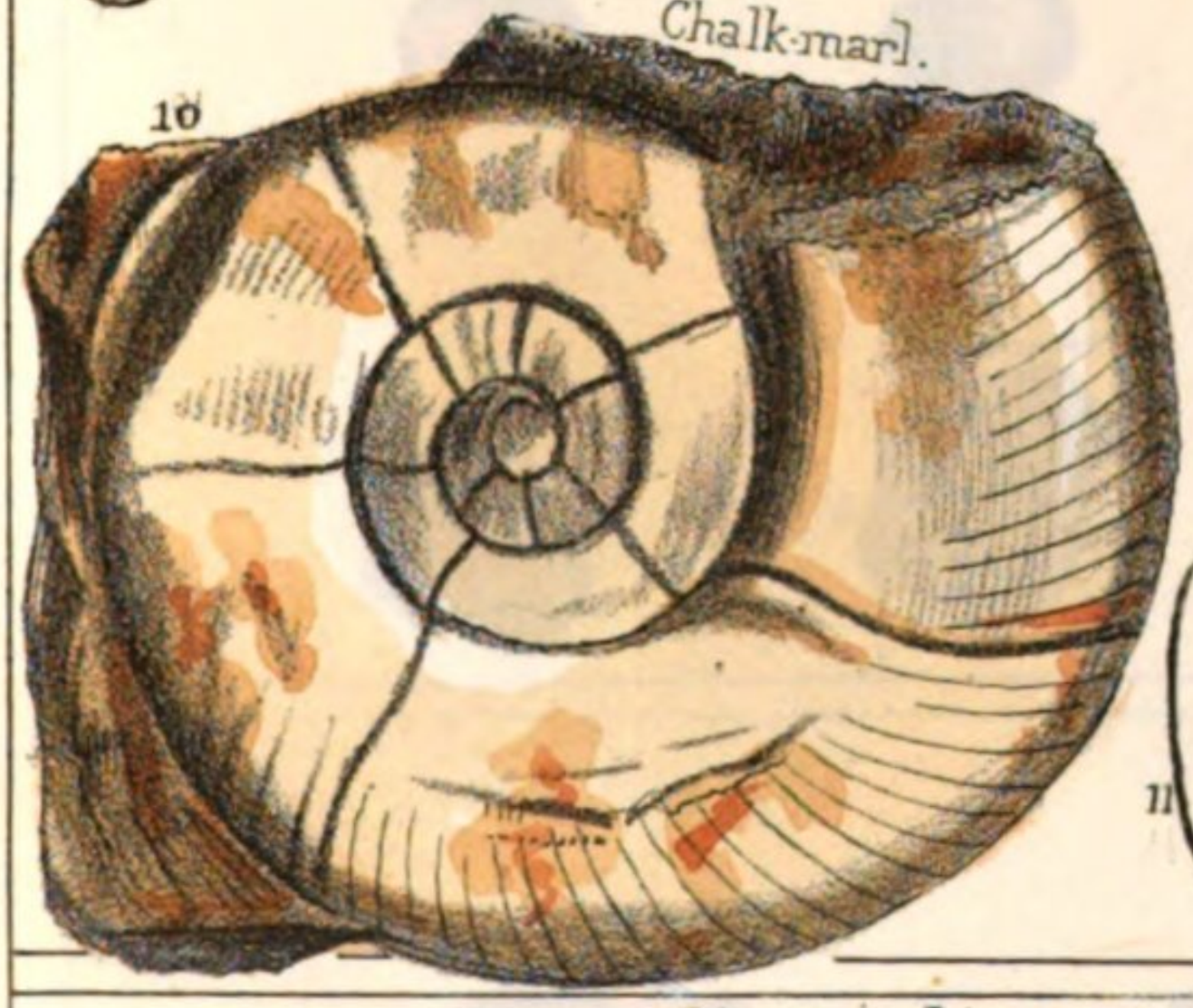
Fig.1. Ammonites complanatus Sow.-Fig.2. Am. undatus Sow.

570.



Lias.

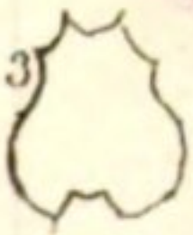
Chalk-marl.



Speeton-Clay.

571.

Mountain-Limestone.



Tab. 570. Fig. 1. 2. 3. Ammonites Bakeriae Sow. - Fig. 4. 5. 6. Am. laevigatus Sow. - Fig. 7. 8. 9. Am Rotula Sow. - Fig. 10. 11. Am. planulatus Sow.

Tab. 571. Fig. 1. 2. 3. Nautilus sulcatus Sow. - Fig. 4. 5. N. Woodwardi. Mart.

572.

Greensand.

Brora.

Crag.

Greensand.

573.

Crag

Tab.572. Fig.1.2.3. Corbula elegans Sow. Fig.4.5.6 C. striatula Sow.
Fig. 7.8.9. C. rotundata Sow. Fig. 10. C. obscura Sow.
Tab.573 Petricola laminosa Sow.

574.

1

2

Coal.

3

575.

London Clay

1

2

3

5

4

6

Crag

London - Clay.

Tab. 574. Fig. 1 Pecten dentatus Sow.- Fig. 2. P. granosus Sow.- Fig. 3. P. plicatus Sow
Tab. 575. Fig. 1. 2. 3. P. duplicatus Sow.- Fig. 4 P. carinatus Sow. Fig. 5. 6 Preconditus Sow.

3

4

Crag

5

6

7

1

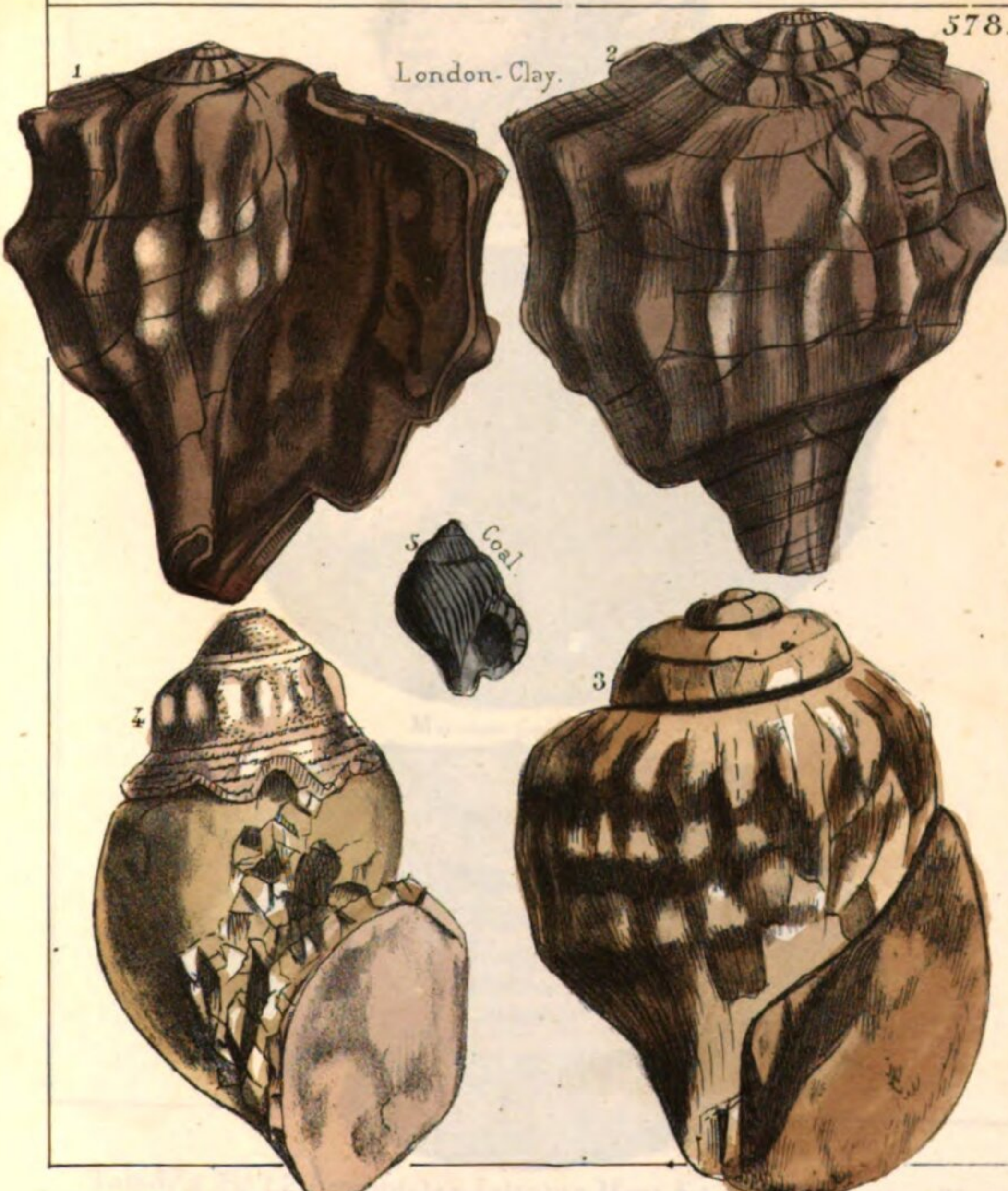
2

Coal.

Fig. 1. 2. Terebratula prorecta Sow. Fig. 3. 7 T. variabilis. Sow.

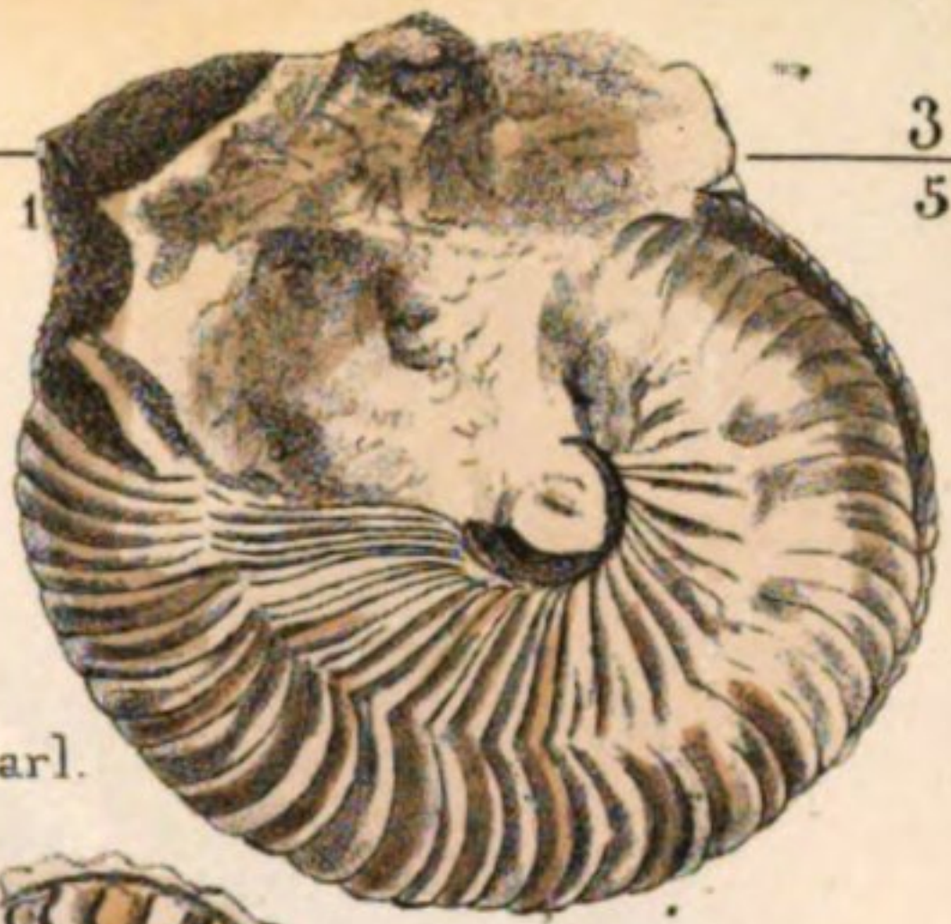
577

578.



Tab. 577. Fig. 1. Scalaria frondosa Sow. Fig. 2. S. acuta Sow. Fig. 3 4. S. interrupta Sow.
Fig. 5. S. nodosa Sow. Fig. 6. S. reticulata Sow: Fig. 7 S. semicostata Sow
Tab. 578 Fig. 1. 2. 3. Murex Smithii Sow. Fig. 4. M. tuberosus Sow. Fig. 5 M. harpula Sow.

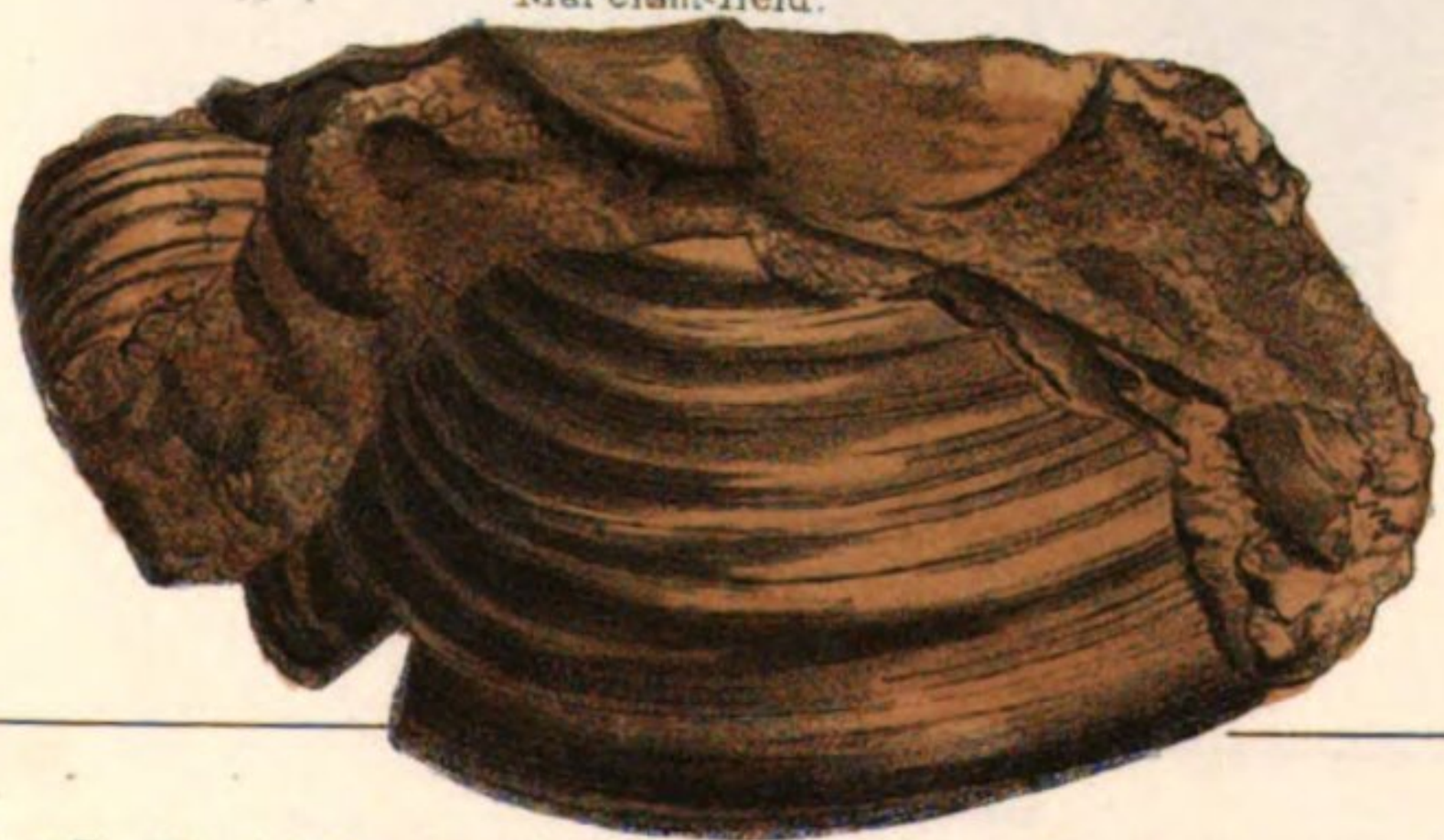
371.
579.



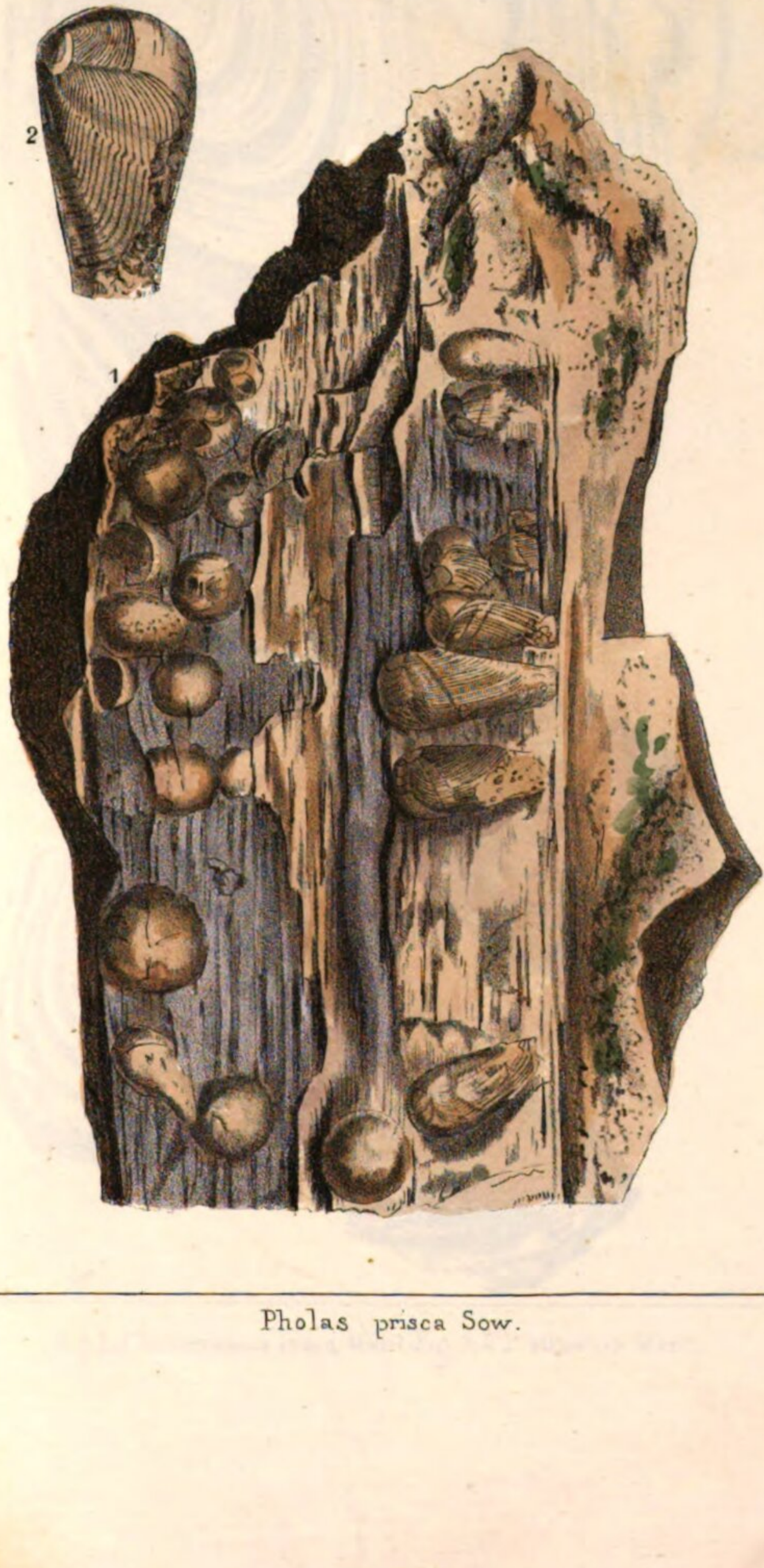
Chalk-marl.

580.

Marcham-field.



Tab. 579. Fig. 1. 2 Ammonites falcatus Mant. Fig. 3. Am. curvatus Mant.
Tab. 580. Corbis laevis. Sow.



Pholas prisca Sow.

373.
582.

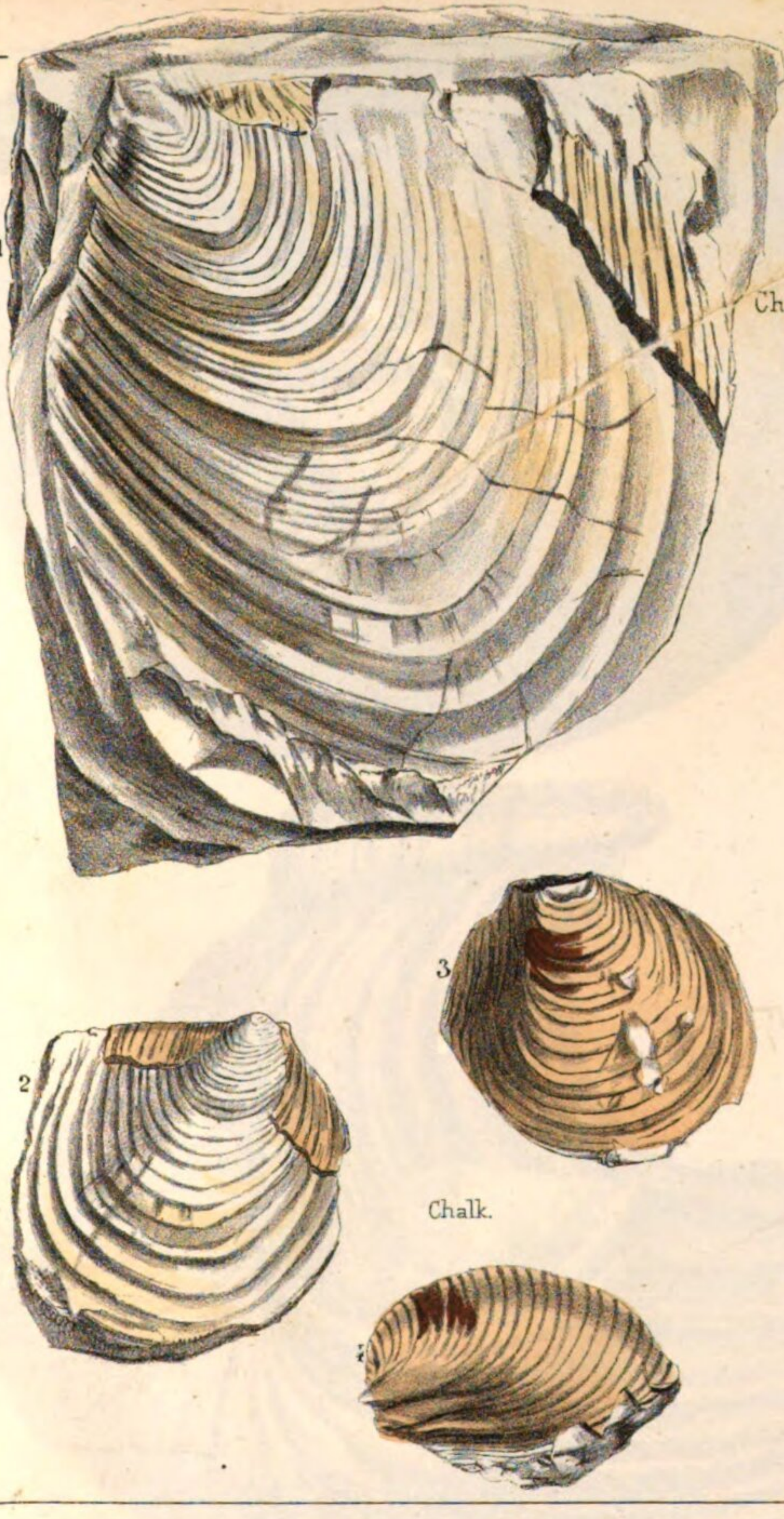
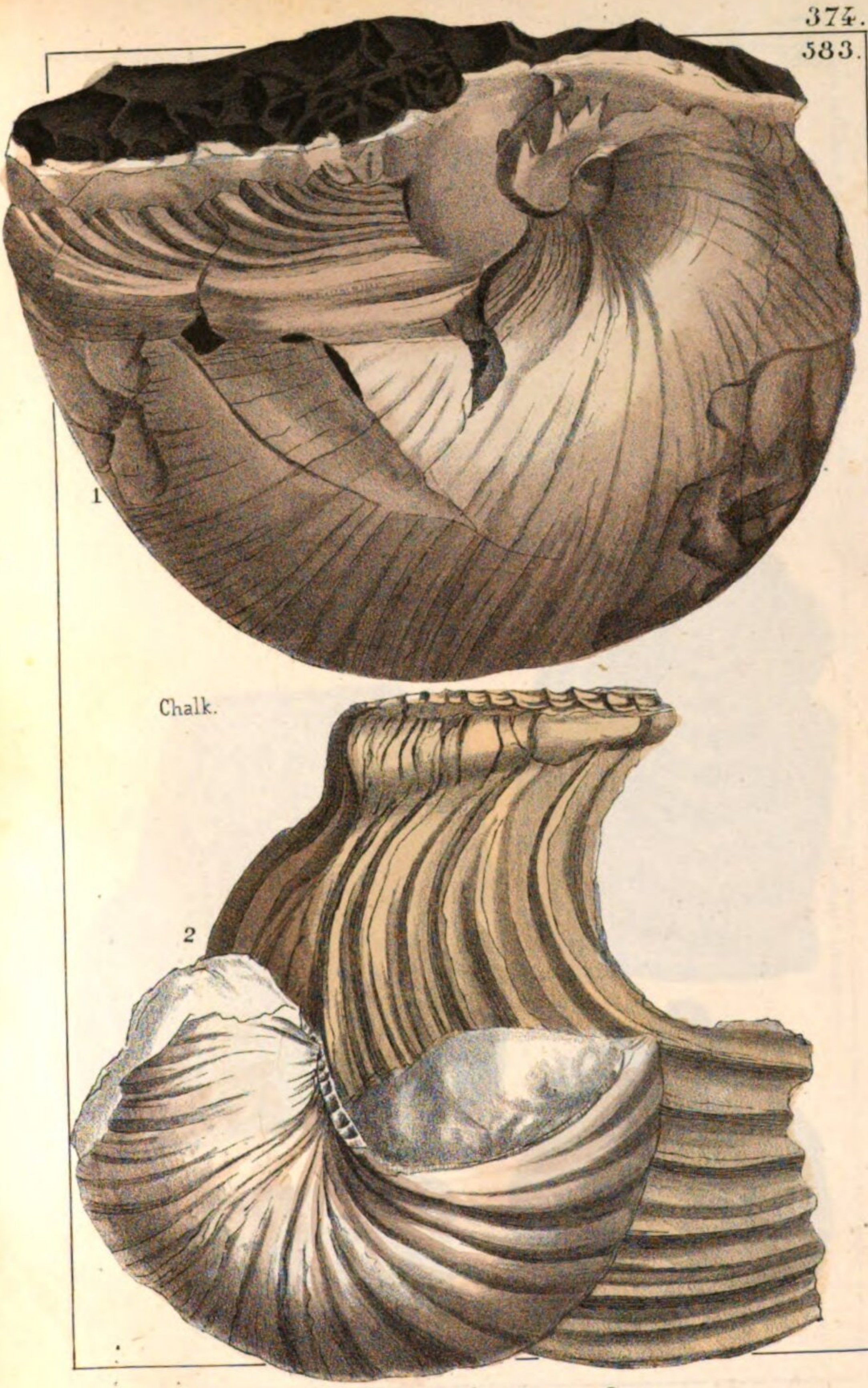


Fig.1.2 Inoceramus latus. Mant. Fig.3.4. I. striatus Mant.

374.

583.



1

Chalk.

2

Inoceramus involutus Sow.

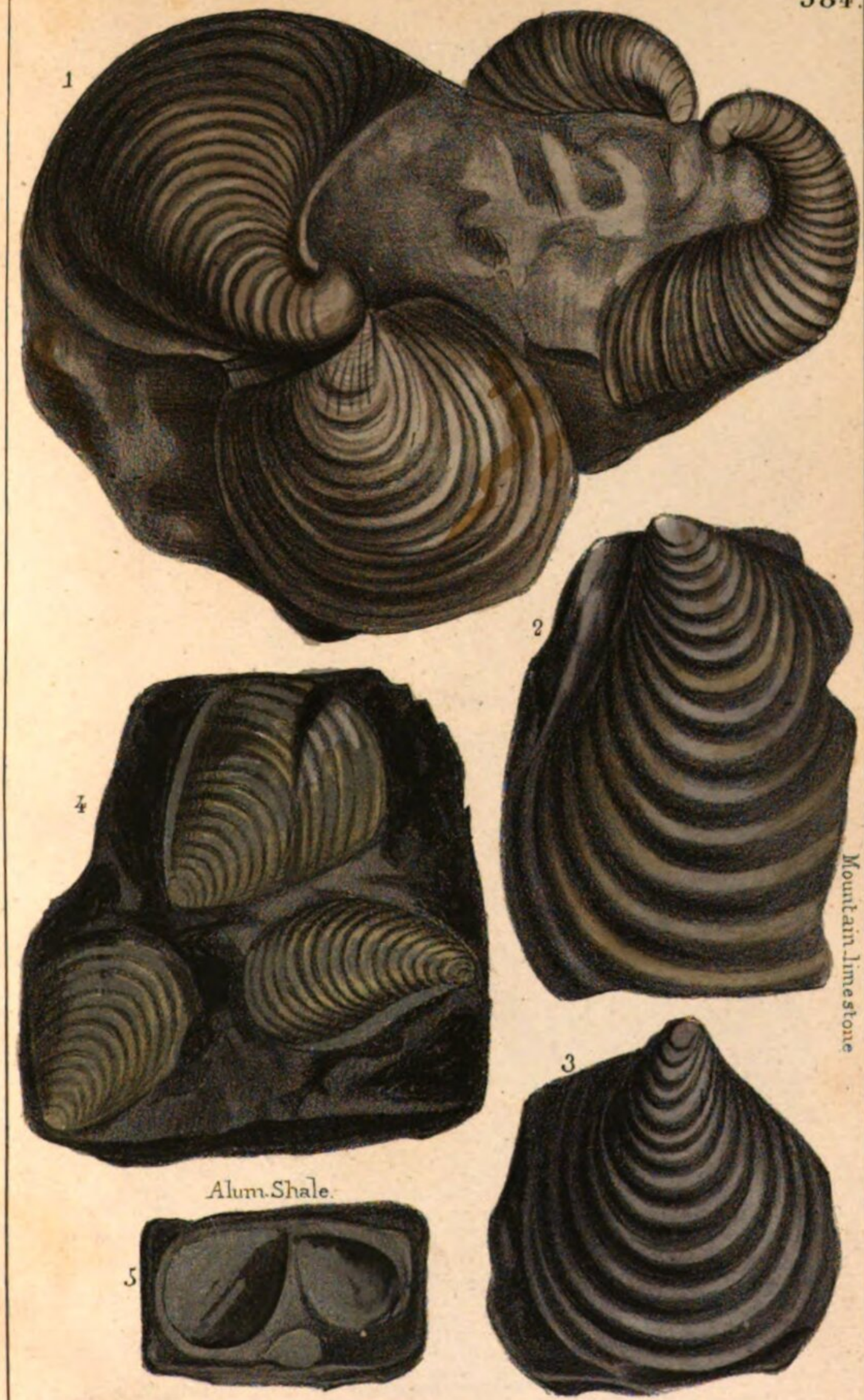
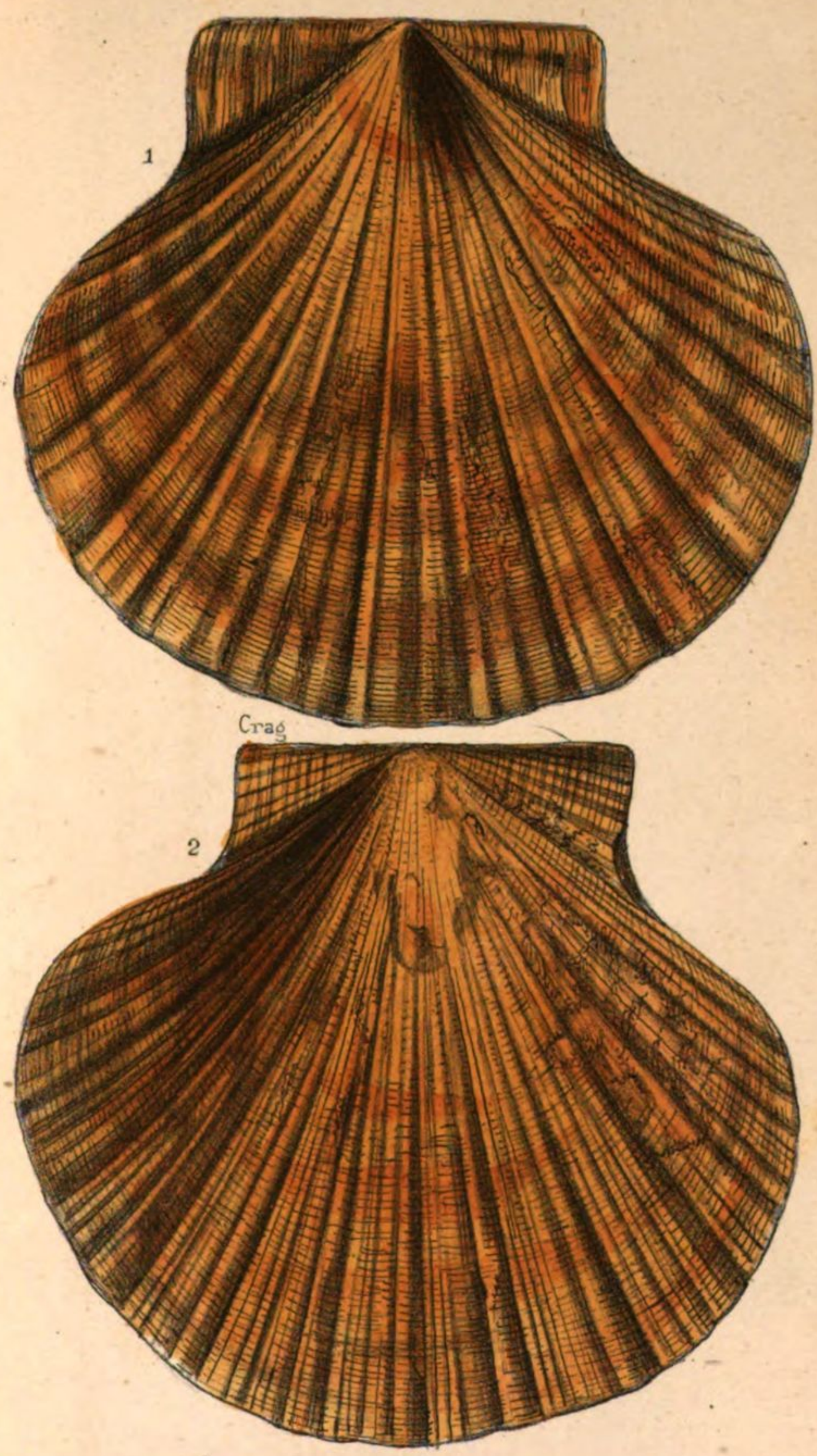


Fig.1 Inoceramus gryphaeoïdes Sow.-Fig.2.3.I. vetustus Sow.-Fig.4.5.I. dubius Sow.



Pecten grandis Sow.

377.
586.

Crag.

Pecten complanatus Sow.

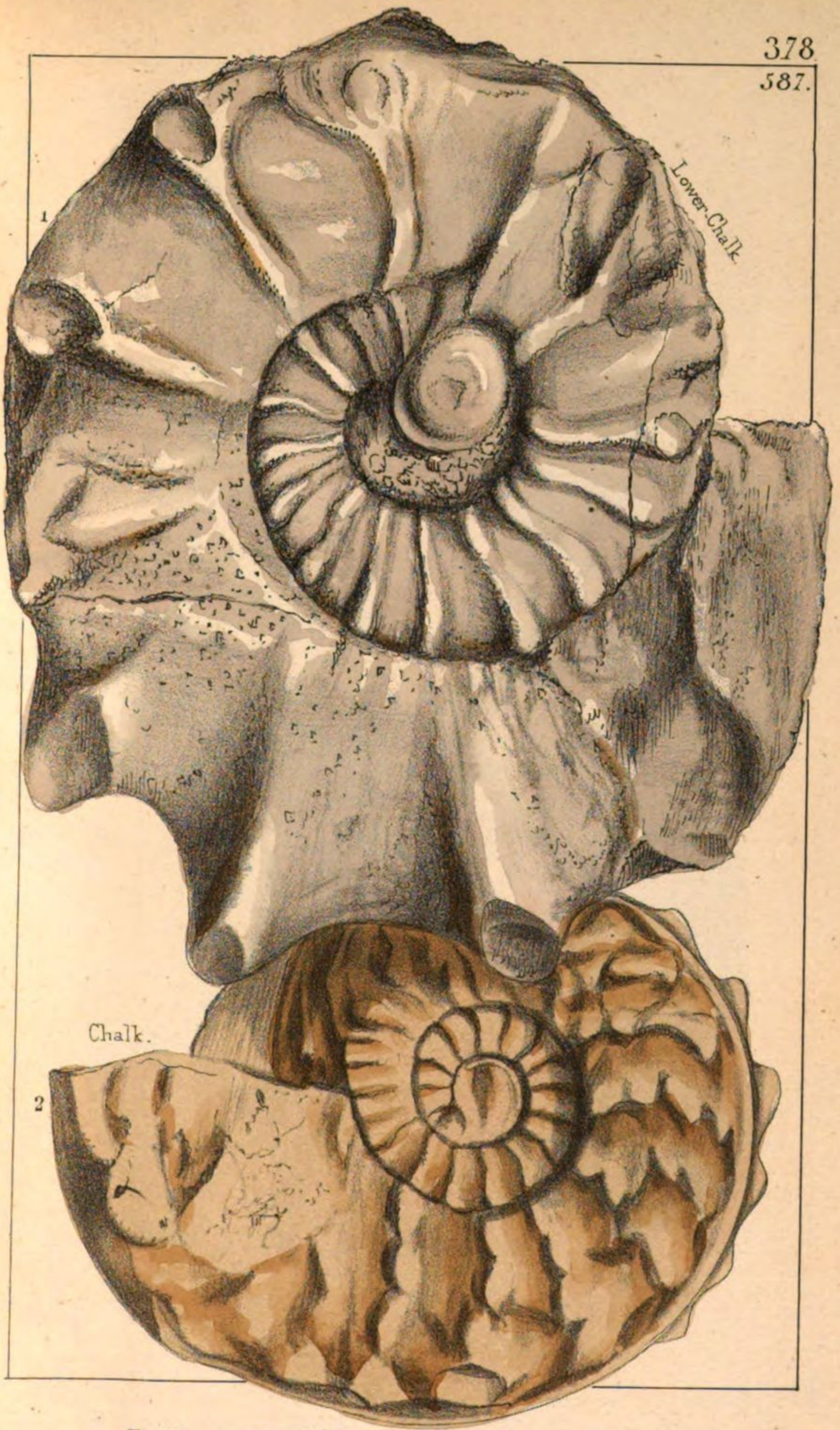


Fig.1 Ammonites Woolgari Mant. Fig.2 A. tetrammatus. Sow.

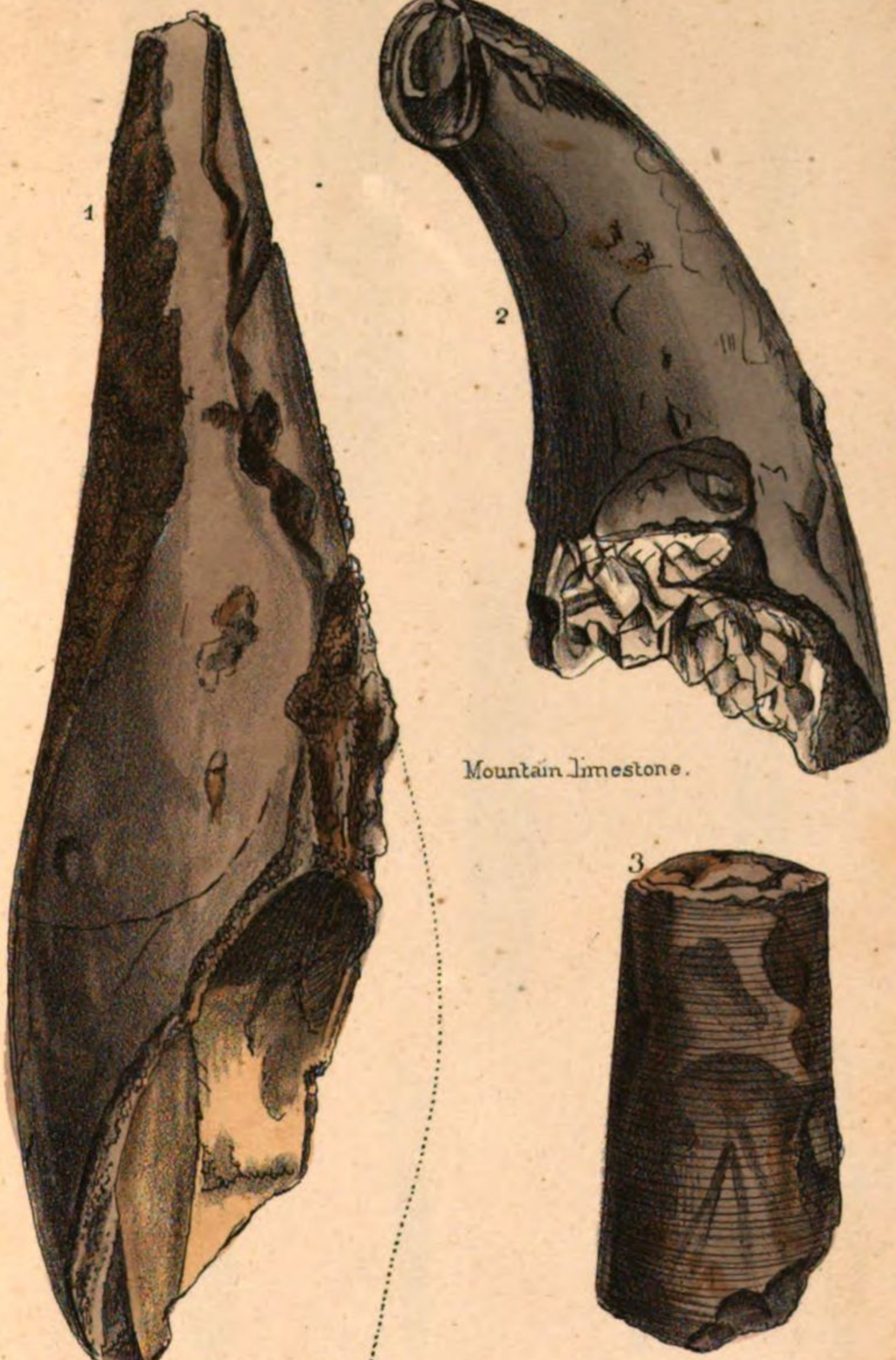


Fig. 2. Orthocera fusiforme Sow. Fig. 3 Orth. cinctum Sow.

Chalkmarl.

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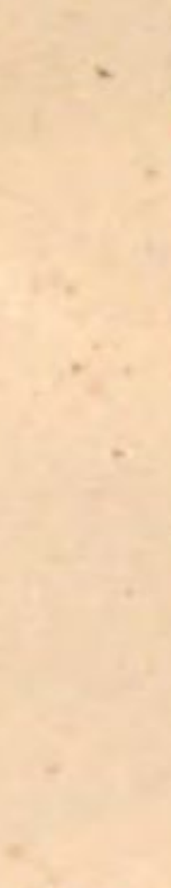

11

12

Gault.

9

10

13

14

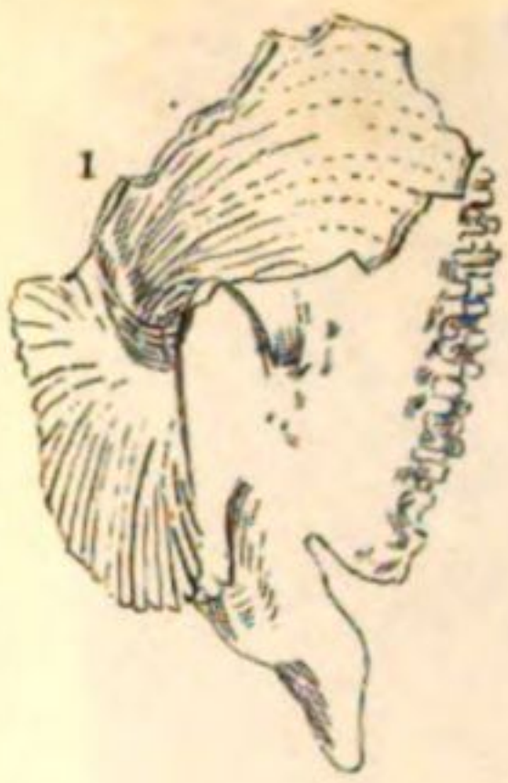
15

Fig. 1-7 Belemnites minimus List. Fig. 8-10. B. attenuatus Sow. Fig. 11-15 B. pistiliformis Sow.

Fig1 Belemnites elongatus Mill-Fig.2.3.4. B. abbreviatus Mill-Fig.5.6 B. penicillatus Blainv-Fig.7.8.9 B. acutus Mill-Fig.10 B. compressus Sow.

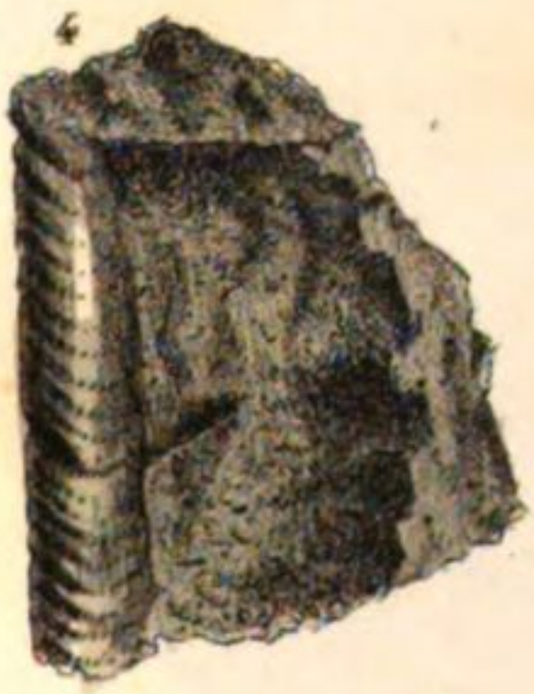
591.

London-Clay.



592.

Chalkmarl.



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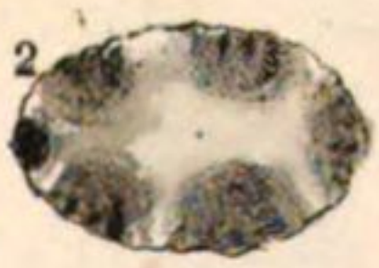

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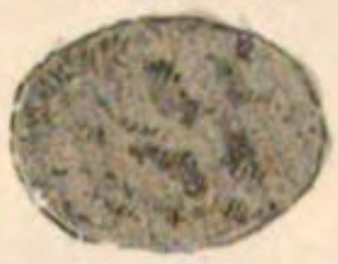
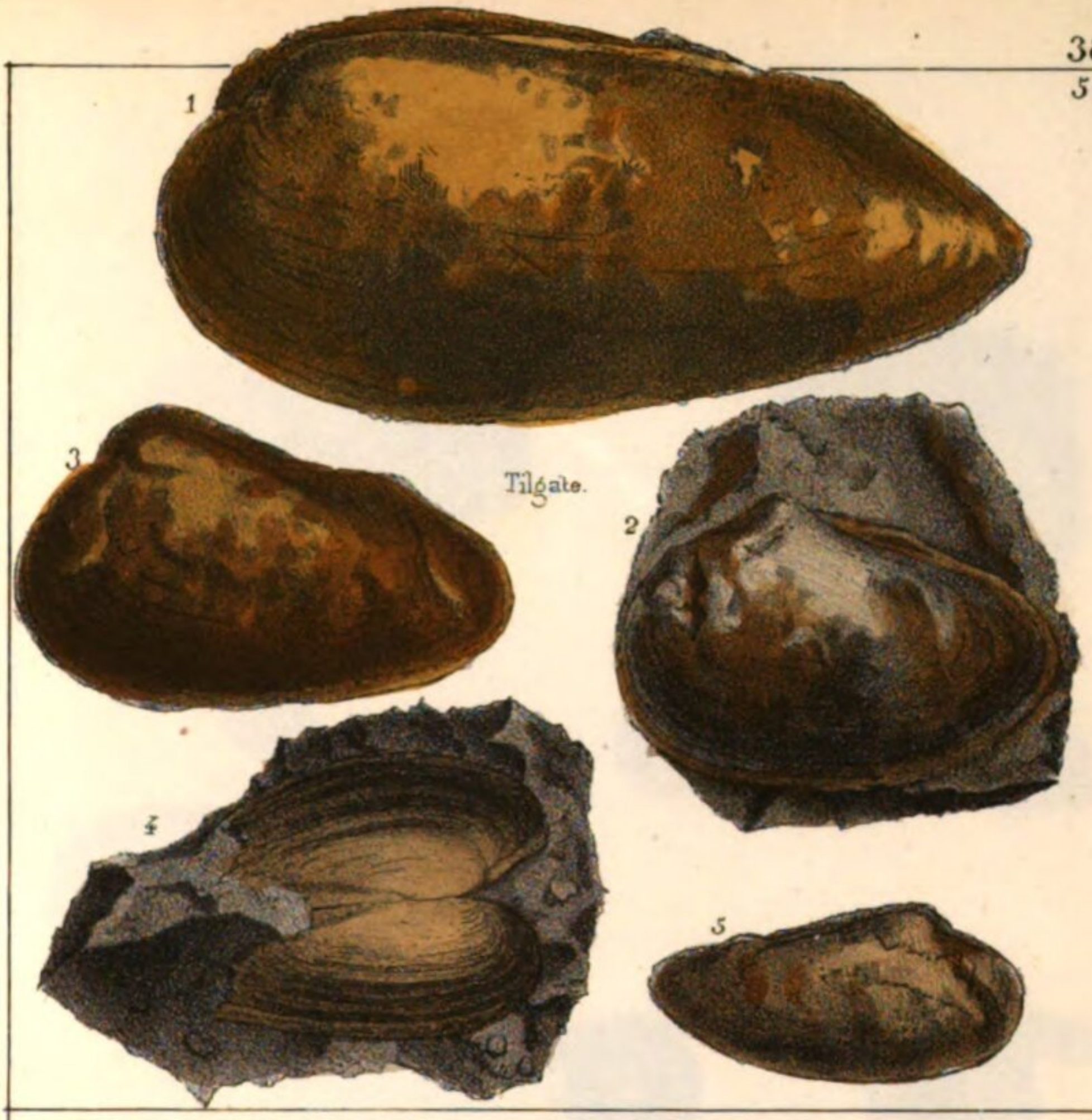


Tab. 591. Fig. 1. Belopteta sepioïdea Blainv. - Fig. 2. B. belemnitoïdea. Blainv Fig. 3. 4. 5. B. anomala Sow.
Tab. 592. Fig. 1. 2 Baculites Faujasii Lam. - Fig. 3-7. B. obliquatus Sow.

Greensand.

Fig. 1. Hammites grandis Sow. Fig. 2. 3 H. gigas Sow.

384.
594.



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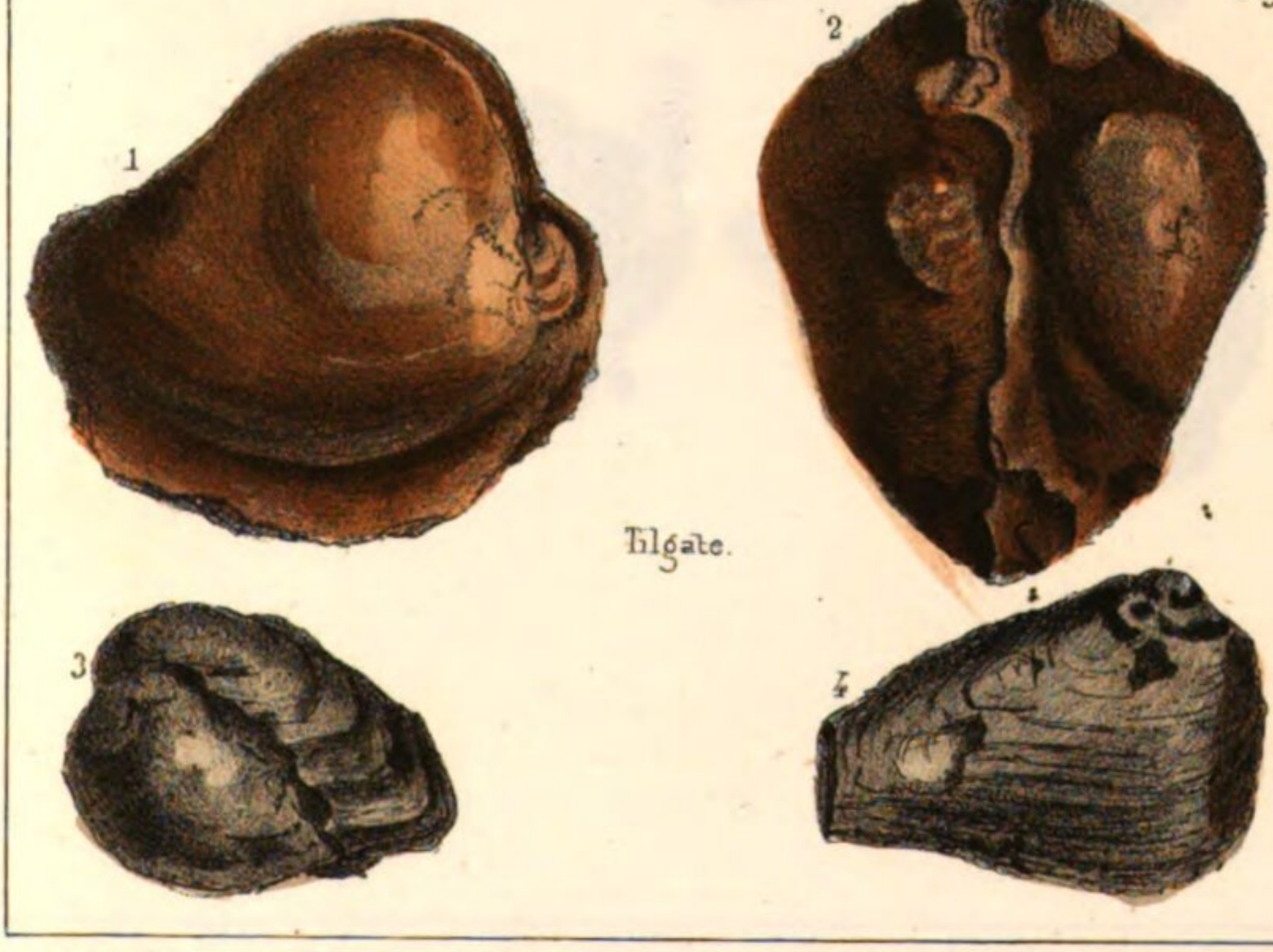
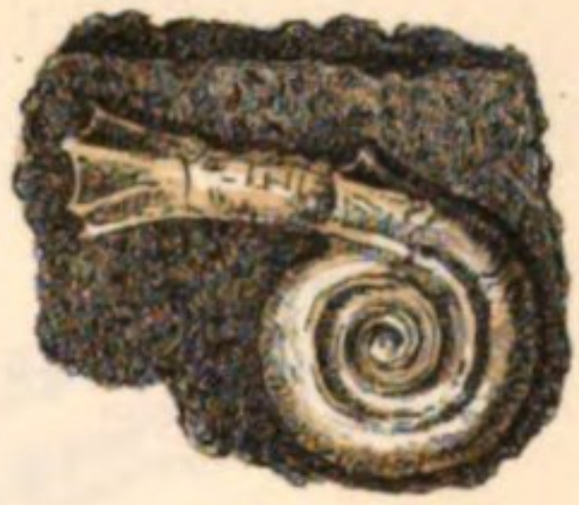


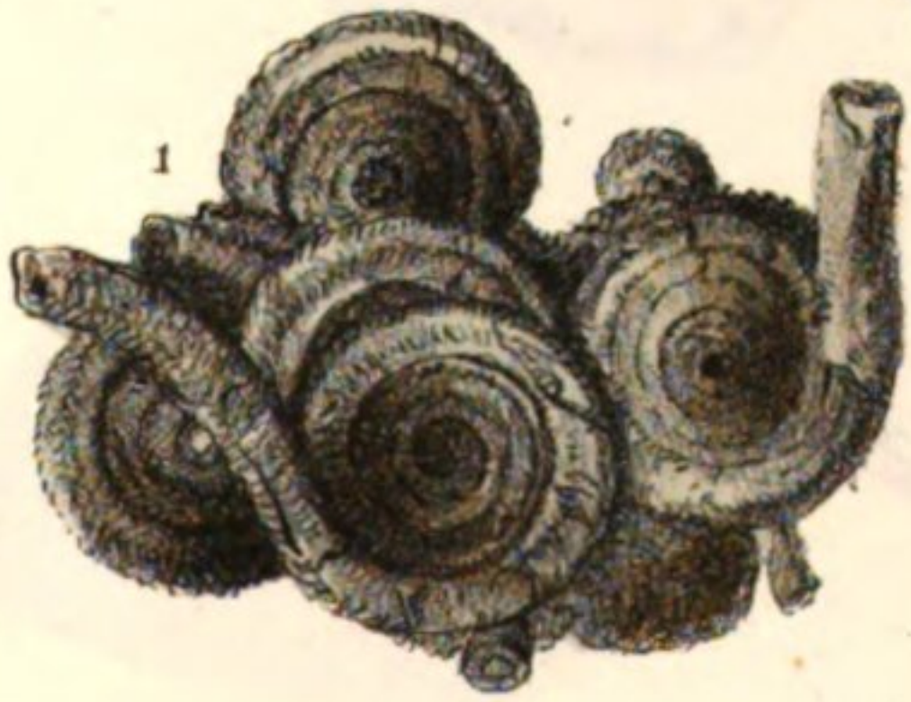
Tab. 594 Fig. 1. Unio prorrectus Sow. - Fig. 2 U. compressus Sow. - Fig. 3. 4. 5. U. antiquus Sow.
Tab. 595 Fig. 1. 2 Unio cordiformis Sow. - Fig. 3. 4 U. aduncus Sow.



Greensand

Inf. Oolite.

Coral-rag.



London-Clay.

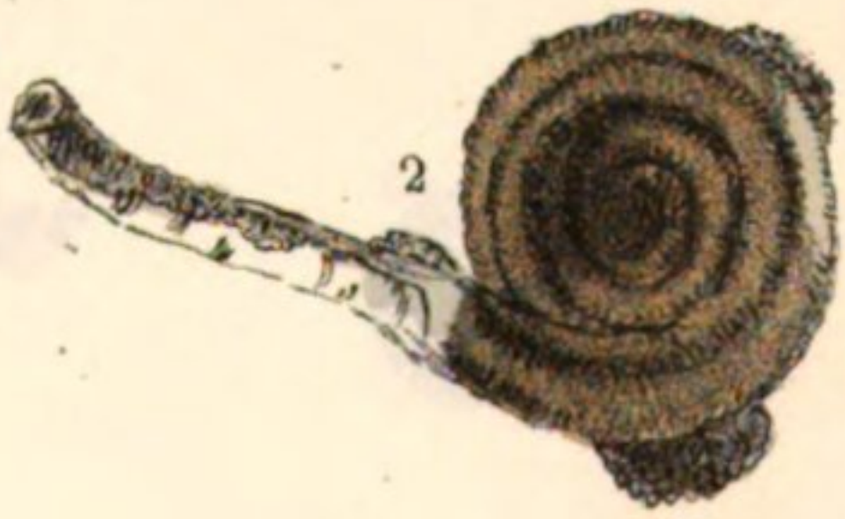
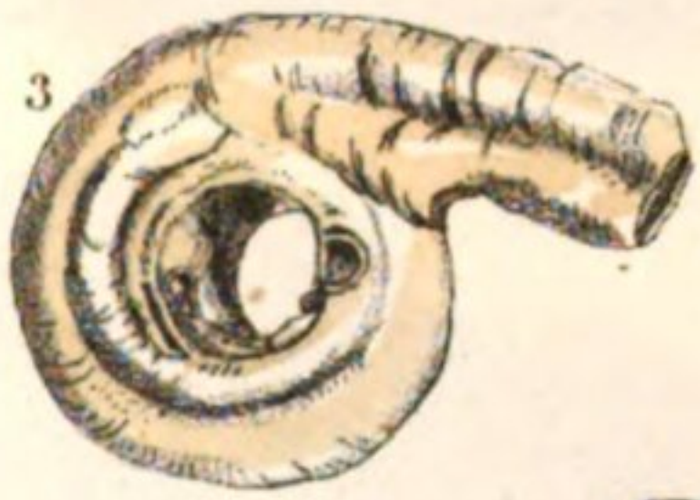
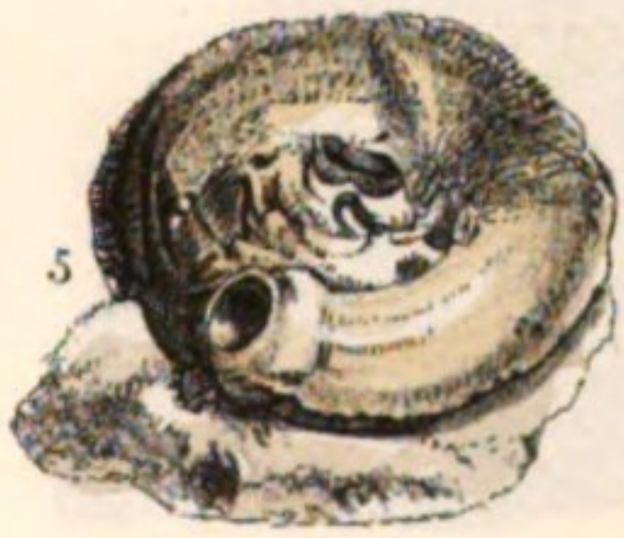


Fig. 1. 2 3 4. Vermetus Bognorensis Sow. Fig. 5. 6. 7. V. turnidus Sow. Fig. 8. 9 V. concinnus Sow. Fig. 10. 11. V. polygonalis Sow.

597.

Chalk.





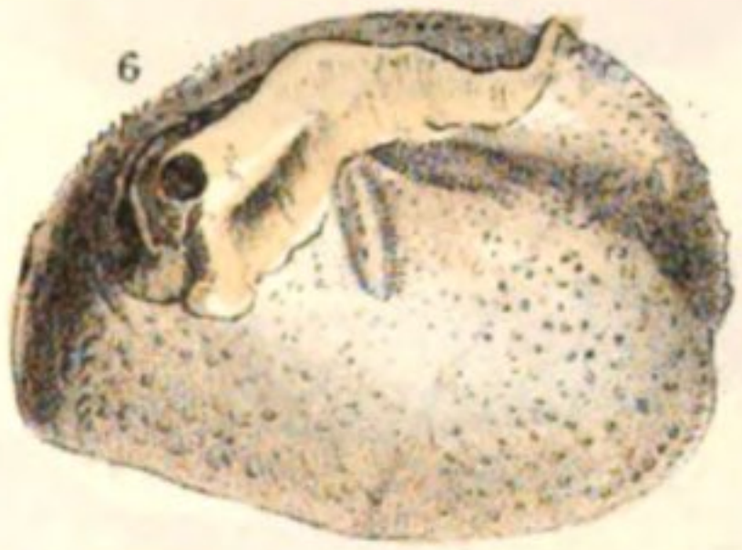


Fig. 1-5. Serpula ampullacea Sow. - Fig. 6 S. macropus. Sow. - Fig. 7. 8. S. granulata Sow

598.

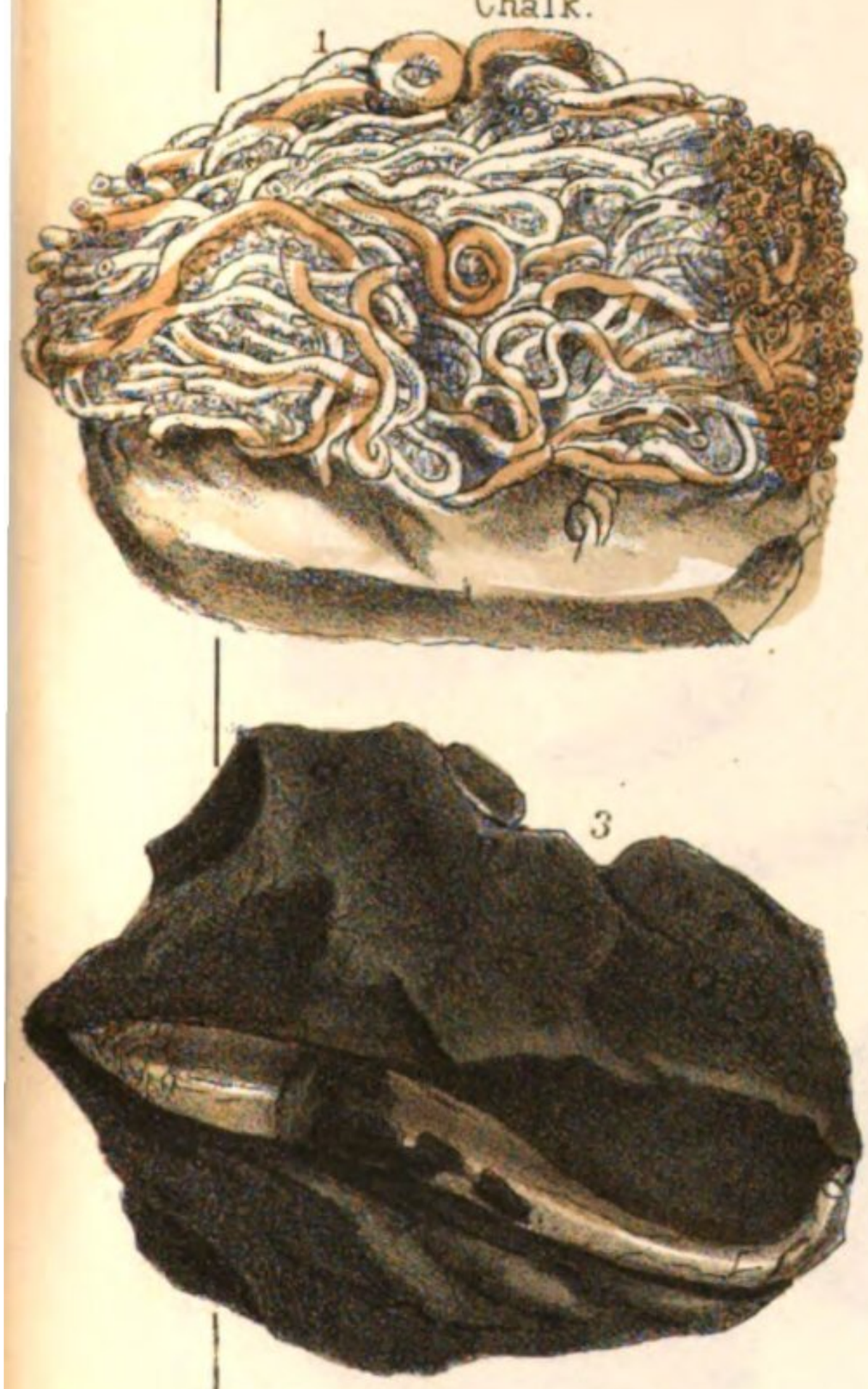


Fig.1 Serpula Plexus Sow.-Fig. 2. S. carinella Sow.- Fig. 3. 4. S. compressa Sow.
Fig. 5. 6. 7 S. antiquata Sow.- Fig. 8 S. tenuis Sow.

599.

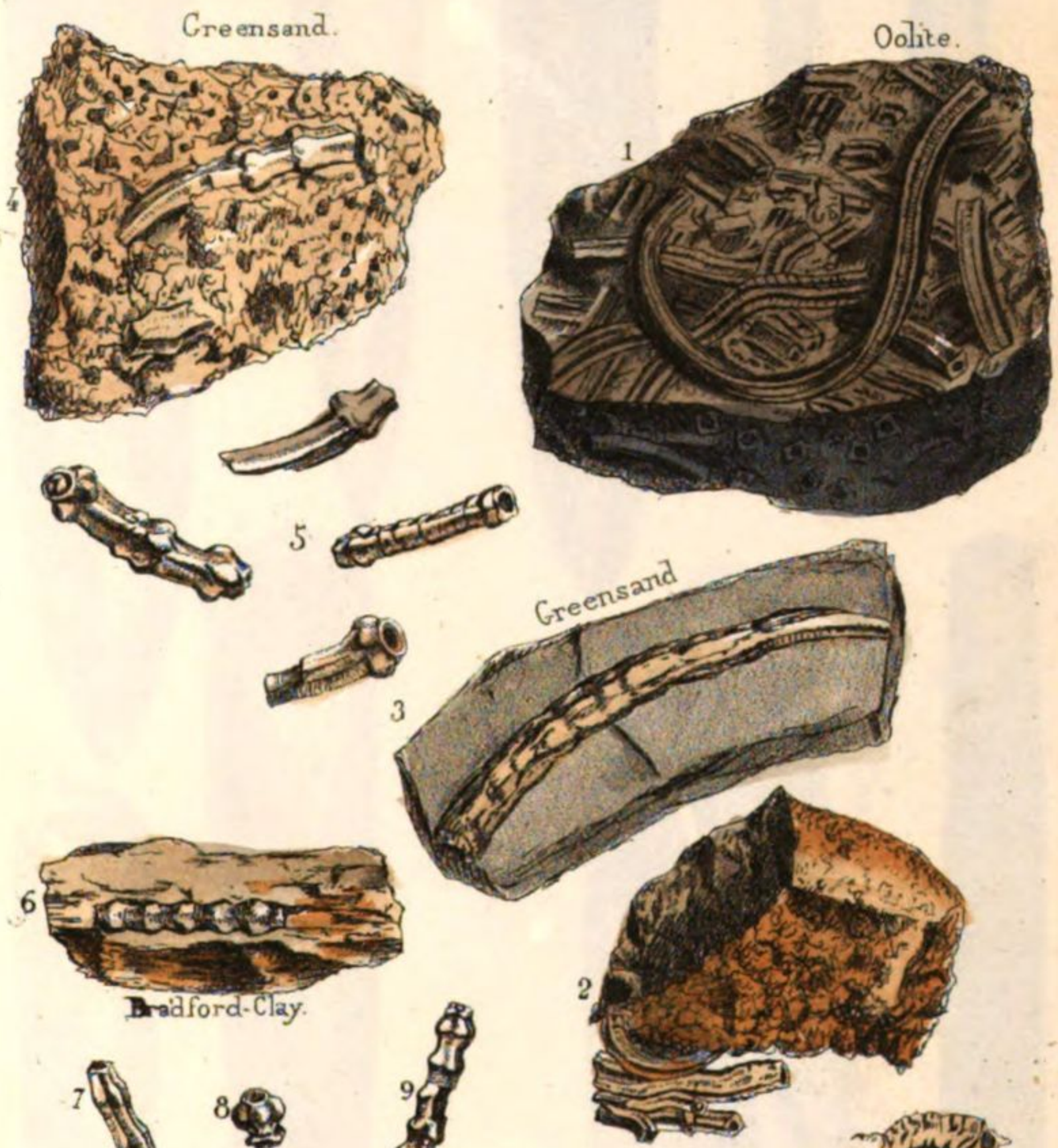
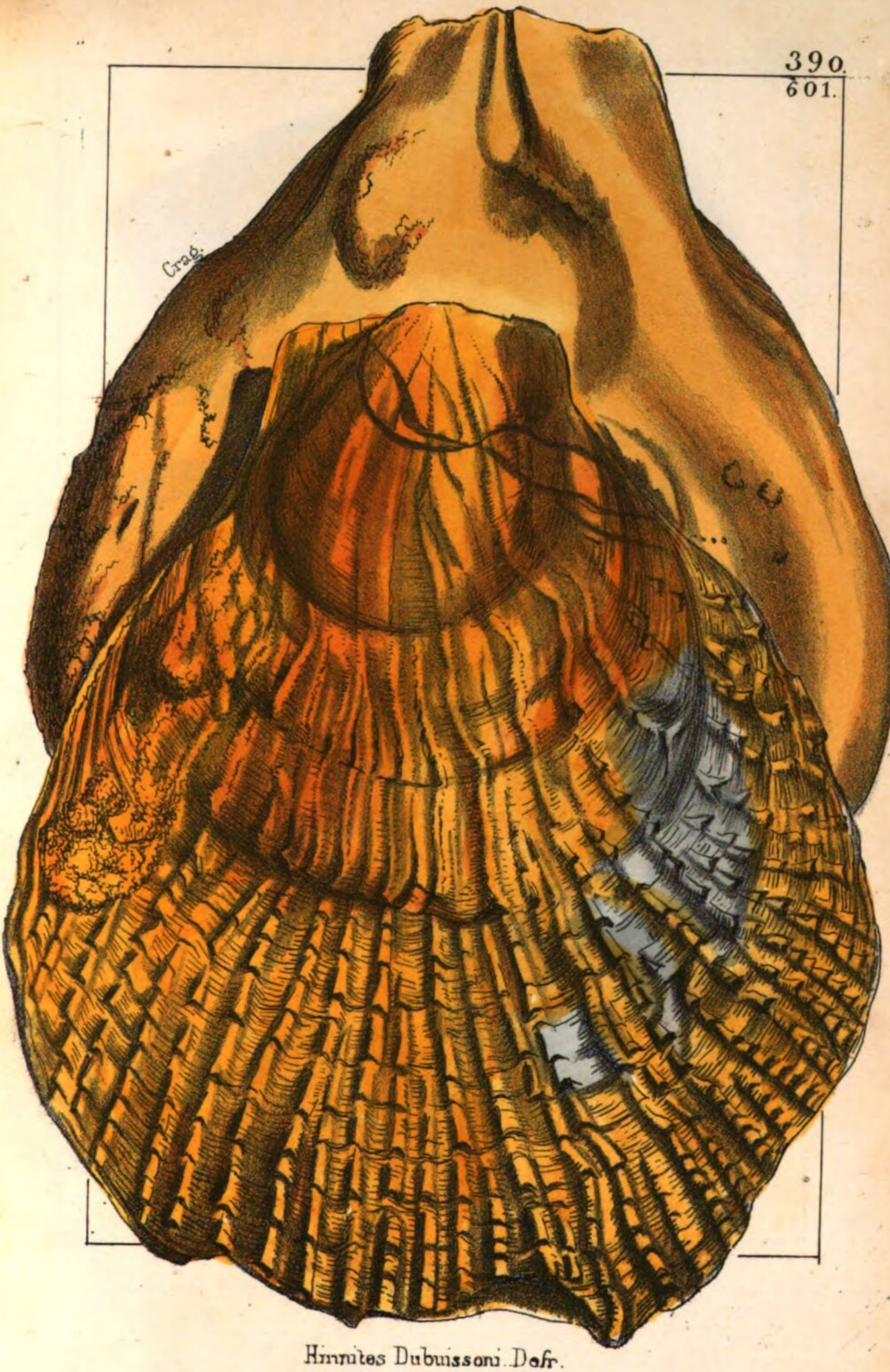


Fig.1.2. Serpula tetragona Sow.-Fig.3. S. rustica Sow.-Fig.4.5 S. articulata Sow.-
Fig.6.7.8.9 S. vertebralis Sow.

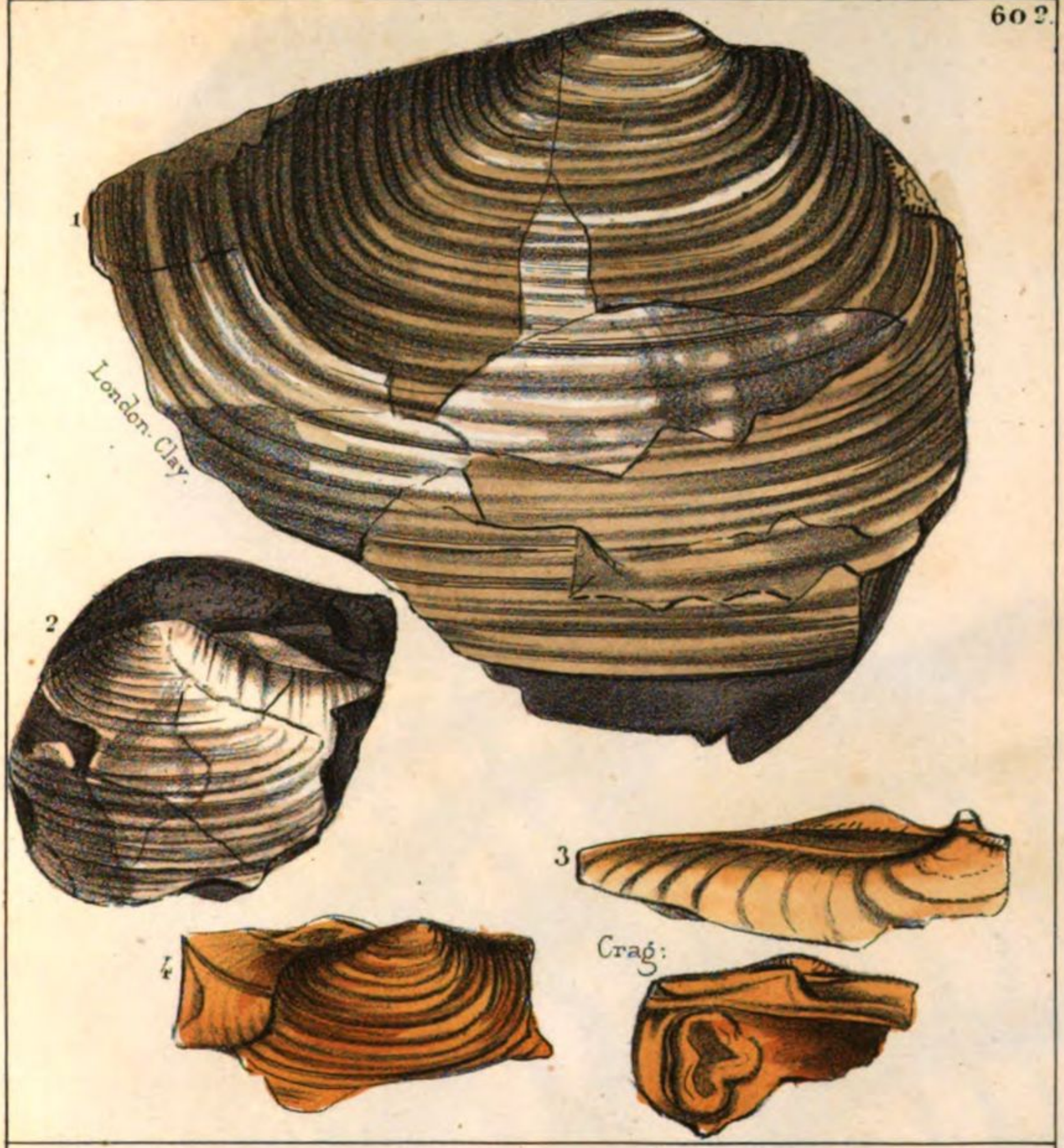
Fig. 1-5 Belemnites mucronatus Schloth.- Fig. 6 7. B. granulatus Sow.-
Fig. 8. 9 B. lanceolatus Sow.

Crag.

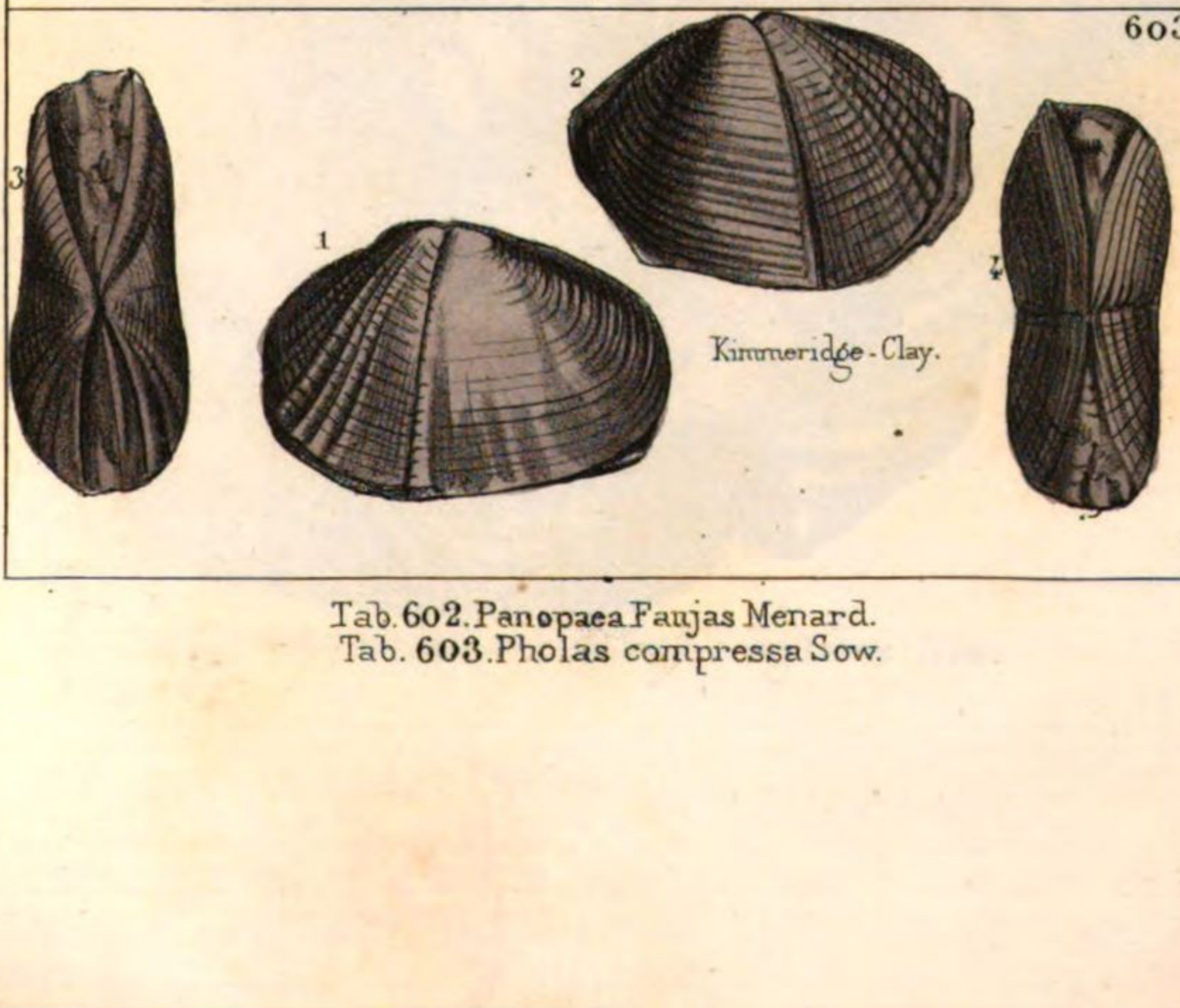


Hinnites Dubuissoni. Defr.

602.



603.



Tab. 602. Panopaea Faujas Menard.
Tab. 603. Pholas compressa Sow.

392.
604.

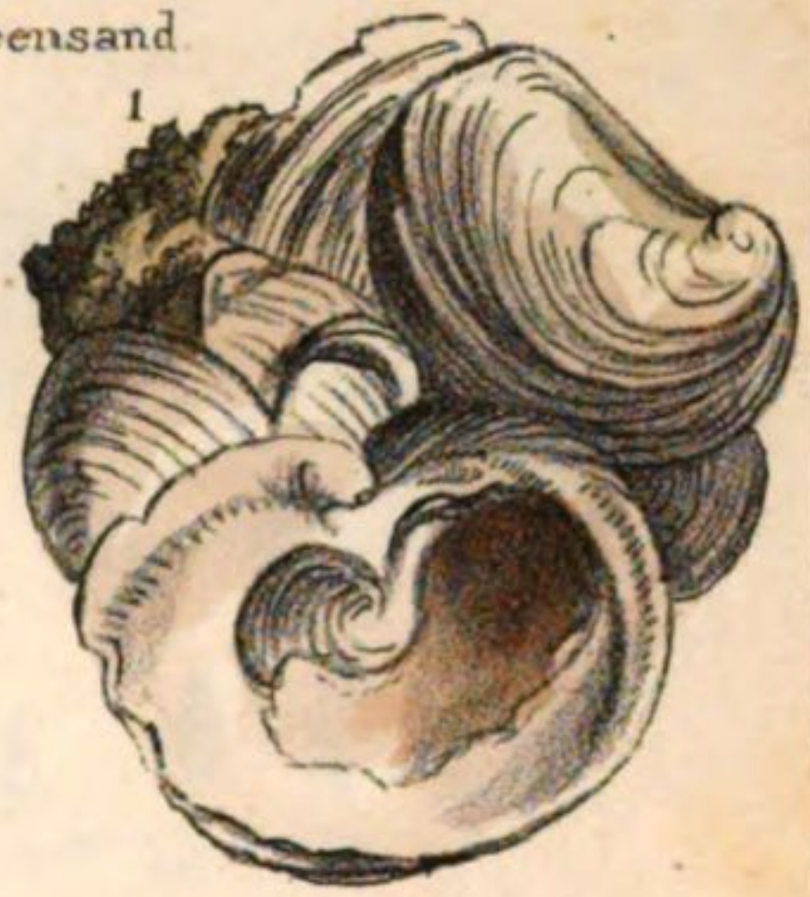
1

Chalkmarl.

2

Fig. Inoceramus pictus Sow. Fig. 2. I. digitatus Sow.

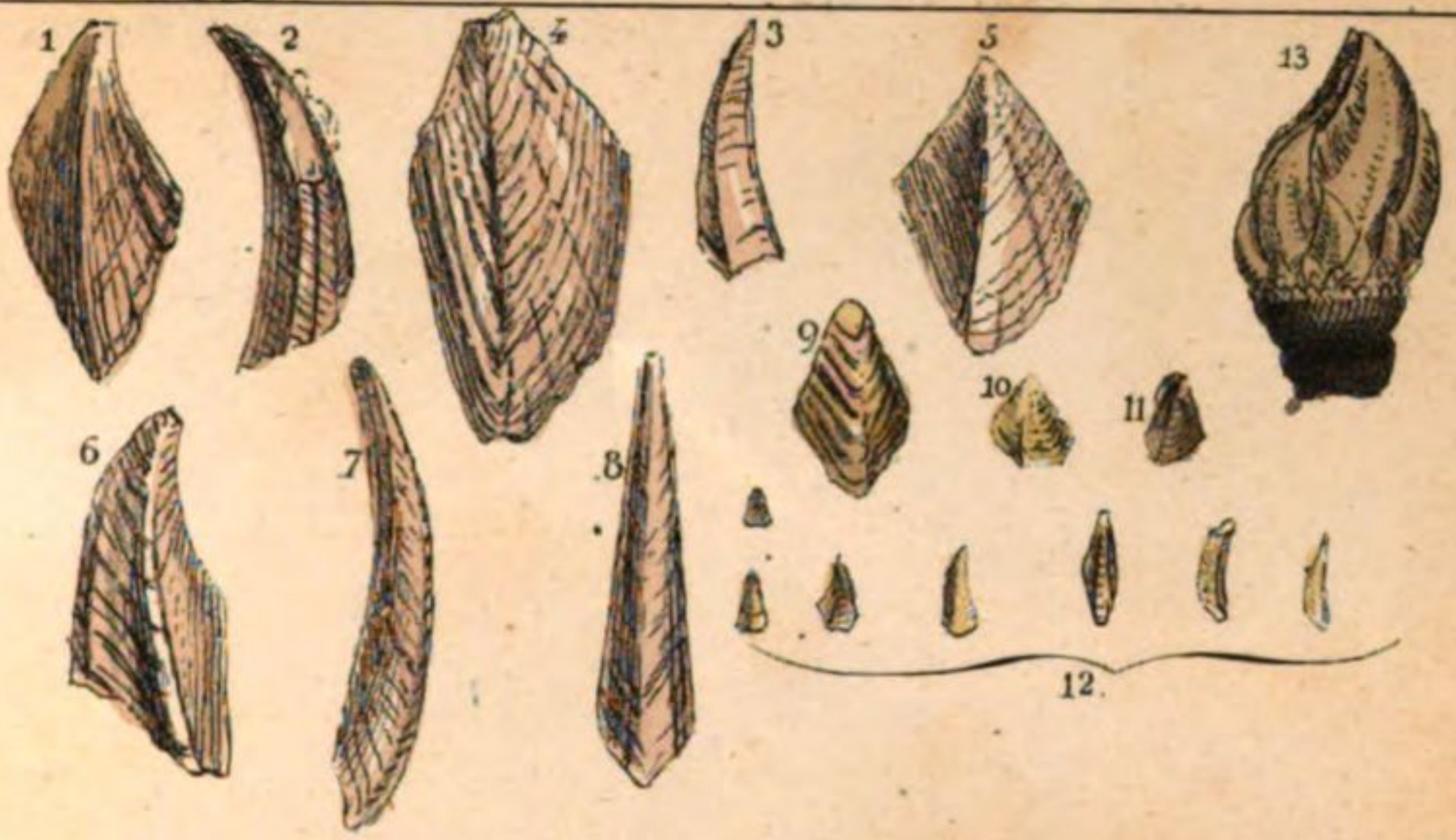
Greensand



Greensand

Greensand.

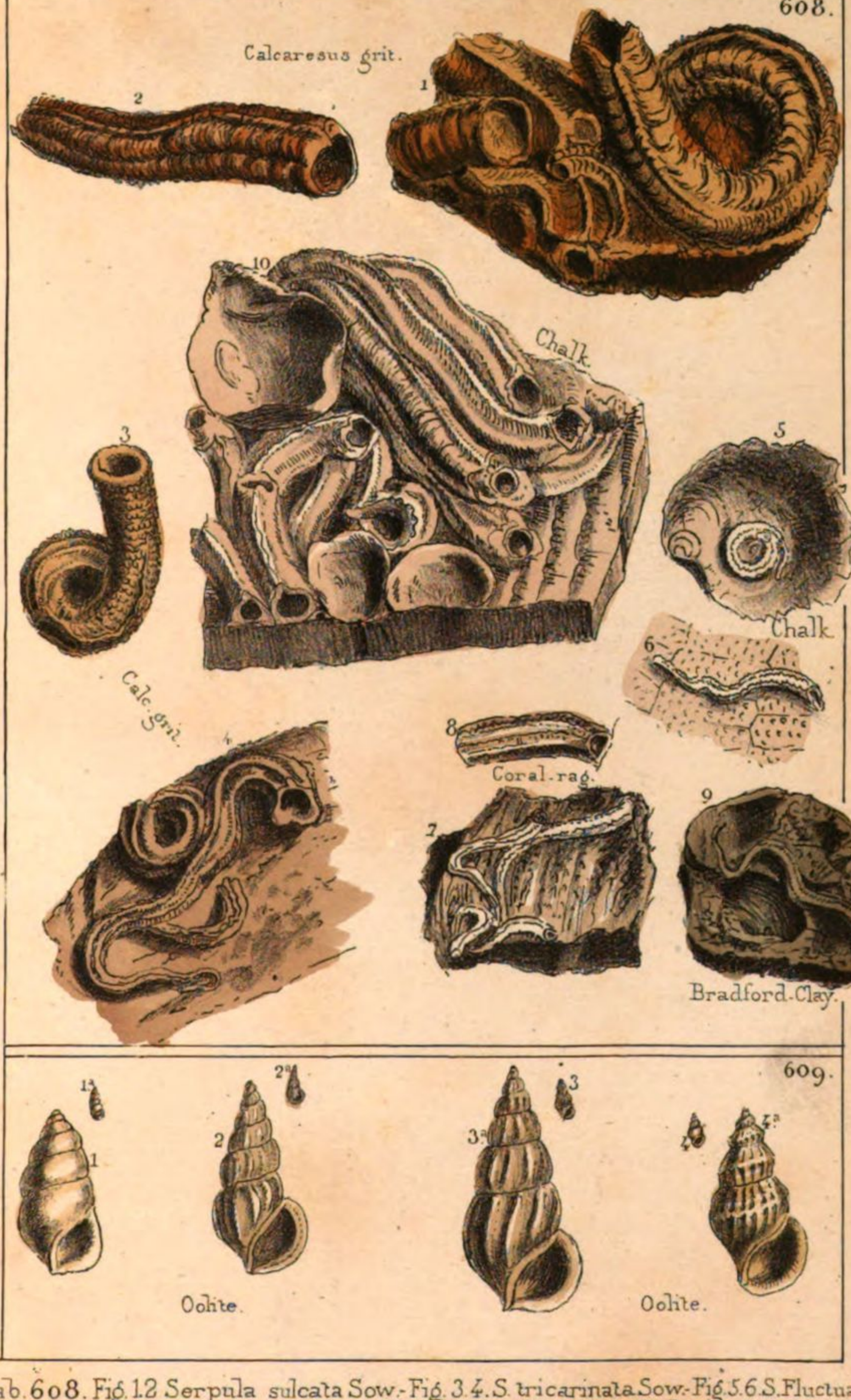
Fig.1-4.Exogyra conica Sow. Fig.5.6 E. laevigata Sow.-Fig.7-10.undata Sow.



607.

Tab. 606. Fig. 1-3 Polhapes sulcatus Sow.- Fig. 4-8 P. maximus Sow. Fig. 9-12. P. reflexus Sow.
Tab. 607. Fig. 1.2.3. Pileopsis vetusta Sow.- Fig. 4 P. tubifer Sow.

608.



609.

Tab. 608. Fig. 1.2 Serpula sulcata Sow.- Fig. 3.4. S. tricarinata Sow.- Fig. 5.6 S. Fluctuata Sow. Fig. 7.8. S. runcinata Sow.- Fig. 9 S. triangulata Sow.- Fig. 10 S. obtusa Sow.
Tab. 609. Fig. 1 Rissoa laevis Sow.- Fig. 2 R. acuta Sow.- Fig. 3 R. obliquata Sow.- Fig. 4. R. duplicata Sow.

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